

Appendix A Section 3
AMMUNITION INFORMATION NOTICES

NAVSEA TW024-AA-ORD-01
12-OCT-04 08:27:32
CPMAL021R

AMMO INFO NOTICE 004-1986: This AIN was superseded or canceled prior to resys.

AMMO INFO NOTICE 049-1986: SPCC MSG 301850Z JUL 86:
SHIPMENT OF AMMO UNDER ADVERSE WEATHER CONDITIONS.
BY DIRECTION OF THE JOINT CHIEFS OF STAFF, AMMUNITION
STORAGE/SHIPPING INSTALLATIONS ARE REMINDED TO USE ALL
FEASIBLE PROCEDURES TO PREVENT MOISTURE CONTAMINATION OF THE
AMMUNITION AND BOXES DURING SHIPMENT. THIS APPLIES ESPECIALLY
TO SHIPMENTS GOING TO PREPOSITIONING FORCE (PREPO) SHIPS AND
MARITIME PREPOSITIONING SHIPS (MPS). PRUDENT JUDGEMENT SHOULD
BE EXERCISED TO DETERMINE THE BEST METHOD OF COMPLIANCE WITH
THIS GUIDANCE. SUGGESTED PROCEDURES ARE: POSTPONE OUTDOOR
SHIPMENT OPERATIONS UNTIL RAIN/SNOW STOPS OR USE TARPS OR
SIMILAR DEVICE TO COVER BOXES OR OPERATION.

AMMO INFO NOTICE 013-1987: This AIN was superseded or canceled prior to resys.

AMMO INFO NOTICE 017-1987: (D579)
REF AMCCOM ROCK ISLAND 231619Z MAR 87 (24-87)
FIELD INSPECTIONS OF CERTAIN LOTS OF M549A1 PROJECTILES
HAVE REVEALED THE PLASTIC PAD (POLYETHYLENE FOAM) ON THE
SUPPLEMENTARY CHARGE HAS BEEN COMPRESSED TO LESS THAN
ONE-SIXTEENTH INCH THICKNESS. THE POLYETHYLENE FOAM MATERIAL
WAS APPROVED AS AN ALTERNATE TO FELT MATERIAL FOR THE
SUPPLEMENTARY CHARGE PAD (DWG NO. 8838203 REF D). CERTAIN
M549A1 LOTS ARE ASSEMBLED W/THE ENERGY ABSORBING LIFTING PLUG
WHICH HAS AN INTRUSION DEPTH ONE-QUARTER INCH LONGER THAN THE
SHOCK ATTENUATING OR "G" TYPE LIFTING PLUGS. THE REPORTED
COMPRESSION OF THE POLYETHYLENE PAD IS DUE TO ASSEMBLY OF THE
ENERGY ABSORBING LIFTING PLUG W/THE STANDARD CARDBOARD SPACER
(DWG NO. 8797088). THE AEROBALLISTICS LABORATORY (DOVER) WAS
TASKED TO ASSES THE POTENTIAL F/INITIATION OF THE
SUPPLEMENTARY CHARGE UPON FIRING BASED ON WORST-CASE
TOLERANCES. IT WAS CONCLUDED THAT FIRING M549A1 PROJECTILES
WITH A COMPRESSED POLYETHYLENE PAD WOULD NOT RESULT IN
INITIATION OF THE TNT SUPPLEMENTARY CHARGE. SINCE COMPRESSED
POLYETHYLENE PADS DO NOT PRESENT A SAFETY HAZARD IN STORAGE,
TRANSPORTATION, HANDLING OR FIRING, NO DEFECT CLASSIFICATION
WILL BE ASSIGNED. IT SHOULD BE NOTED THAT THE CURRENT TDP
F/THE M549A1 PROJECTILE WAS CHANGED IN 1981 TO REQUIRE THE
SHOCK ATTENUATING LIFT PLUG. IN ADDITION, DELETION OF THE
POLYETHYLENE FOAM MATERIAL FROM THE SUPPLEMENTARY CHARGE
DRAWING WAS APPROVED BY THE CONFIGURATION CONTROL BOARD IN
1984. BASED ON THIS, THE COMPRESSED PAD CONDITION WILL NOT BE
ENCOUNTERED IN FUTURE PRODUCTION.

AMMO INFO NOTICE 002-1988: This AIN was superseded or canceled prior to resys.

AMMO INFO NOTICE 006-1988: This AIN was superseded or canceled prior to resys.

AMMO INFO NOTICE 003-1989: (G382)
CLARIFICATION TO NAR 395-88, TARGET DETECTING
DEVICE, FUZE, (G382)
THERE ARE TWO (2) DIFFERENT TDD FUZES CATALOGED UNDER NSN
1325-00-938-1937; THE MK 43 MOD 0 AND M20A1 (PREVIOUSLY
M20E1). THE MK 43-0 HAS A GREEN NOSE CONE AND M20A1 HAS A
NEUTRAL TAN OR BRICK RED NOSE CONE.
THE M20A1 IS OBSOLETE AND SHOULD BE PLACED IN CONDITION
CODE HOTEL IAW NAR 395-88. DISPOSITION REQUESTS SHOULD BE
DIRECTED TO SPCC CODE 8532. THE MK 43-0 IS SERVICEABLE WITH
NO RESTRICTIONS.

AMMO INFO NOTICE 020-1989:

THE PURPOSE OF NAR 395-88 IS STRICTLY TO SEPARATE THE MK 43-0 FROM THE M20A1 "AT THE USER LEVEL". WEAPON STATIONS AND STORAGE ACTIVITIES ARE TO ISSUE/STORE TDD'S IN CONDITION CODE BRAVO.

(A975/A974)

REF: AMCCOM ROCK ISL IL 301919Z JAN 89 (31-89)

CTG, 25MM, (1305-A975/A974) LOT NUMBERING DISCREPANCIES

SEVERAL LOTS OF SUBJ ITEM, M792, HEI-T AND M791, APDS-T HAVE BEEN REWORKED BY HONEYWELL. SUFFIX WAS ADDED TO OUTER PACKING MATERIAL AND A NEW AMMUNITION DATA CARD (ADC) DD1650 GENERATED. LOT SUFFIX, HOWEVER, WAS NOT MARKED ON INDIVIDUAL ROUNDS, DUE TO POSSIBILITY OF DAMAGE DURING LINKING/DELINKING OPERATION.

FOLLOWING LOTS DO NOT HAVE SUFFIX MARKED ON INDIVIDUAL ROUND.

1305-A975 M792 HJA87A125-001A

1305-A975 M792 HJA87A124-001A

1305-A974 M791 HJA88G101-001A

1305-A974 M791 HJA88G100-001A

1305-A974 M791 HJA88G102-001A

1305-A974 M791 HJA88G097-005A

ALL LOTS WERE COMPLETELY REWORKED. OTHER THAN MARKING DISCREPANCIES LOTS SHOULD BE CONSIDERED SUITABLE FOR ISSUE AND USE. CONTRACTOR HAS BEEN NOTIFIED AS TO CORRECT MARKING PROCEDURES DURING FUTURE REWORK.

AMMO INFO NOTICE 027-1989:

(C276)

REF: AMCCOM ROCK ISL IL 032045Z MAY 89 (SOU M 89-5)

CTG, 81MM, SMOKE, WP, M375A3 (1315-C276)

REF A: TM 9-1015-200-10 OPERATORS MANUAL FOR MORTAR M29A1 (NSN 1015-00-999-7794) 1 JUL 87 (U)

REF B: TM 9-1015-249-10 OPERATORS MANUAL FOR MORTAR 81MM M252 (NSN 1015-01-164-6651) 30 OCT 87 (U)

CITED REFS WILL BE CHANGED AS FOLLOWS:

A. ALL CARTRIDGES MUST BE INSPECTED FOR DAMAGE PRIOR TO FIRING.

B. UNPACKAGED ROUNDS WHICH HAVE BEEN SUBJECTED TO ROUGH HANDLING MUST BE INSPECTED PRIOR TO FIRING. UNPACKAGED ROUNDS THAT HAVE BEEN DROPPED FROM A HEIGHT OF 2 FEET OR MORE SHOULD BE HANDLED AS DAMAGED ROUNDS AND SHOULD NOT BE FIRED UNTIL INSPECTED. DAMAGES OR SUSPECT ROUNDS SHOULD BE DISPOSED OF IAW STANDARD PROCEDURES.

C. THE PROHIBITION AGAINST FIRING OVER THE HEADS OF UNPROTECTED PERSONNEL, MUST BE STRICTLY FOLLOWED. IN ADDITION, UNPROTECTED FORWARD OBSERVER PERSONNEL SHOULD BE NO

CLOSER THAN 700 METERS TO THE NEARER EDGE OF THE TARGET AREA.

D. PACKAGED AMMO WHICH IS TRANSPORTED MUST BE PROPERLY FASTENED TO THE BED OF THE VEHICLE TO ELIMINATE ANY LOOSENESS OF THE PACKAGES. DAMAGE IS KNOWN TO OCCUR WHEN PACKAGED AMMO IS DROPPED FROM A HEIGHT OF ABOUT 7 FEET OR MORE, OR SUBJECTED TO ROUGH HANDLING. ALL CARTRIDGES AFFECTED MUST BE INSPECTED PRIOR TO FIRING AND DAMAGED ROUNDS DISPOSED OF IAW STANDARD PROCEDURES.

E. WARNING: DAMAGED FINS, LEAKING OR MISSING PROPELLANT CONTAINERS, DAMAGED OBTURATORS, OR DAMAGED FUZES COULD CAUSE SHORT ROUNDS.

A COPY OF THIS AIN WILL BE ATTACHED TO ALL ISSUE DOCUMENTS.

AMMO INFO NOTICE 034-1989:

(ML25/M913)
CHARGE, DEMOLITION, LINEAR, (1375-ML25/M913)
TM 43-0001-38 DESCRIBES THE SUBJ ITEM AS A CHARGE
DESIGNED TO BE TOWED OUT OVER THE TARGET MINEFIELD BY A ROCKET
MOTOR WHERE IT DROPS TO THE GROUND AND IS THEN DETONATED ON
COMMAND BY MEANS OF AN ELECTRICAL CABLE. DURING A RECENT
MALFUNCTION INVESTIGATION, ONE POSSIBLE REASON EXPLORED FOR
A PREMATURE DETONATION WAS AN ATTEMPT TO ACCOMPLISH AN
"AIRBURST" WITH SUBJ MATERIAL.
THIS AIN IS PUBLISHED TO REEMPHASIZE THAT SUBJ CLASS V(W)
MATERIAL IS ONLY TO BE USED IN THE DESIGNED MANNER. USE OF
SUBJ MATERIAL IS LIMITED TO DETONATION ONLY AFTER THE CHARGE
HAS BEEN FULLY DEPLOYED AND RESTING ON THE GROUND.
CONTINUE TO REPORT ALL MALFUNCTIONS IAW APPLICABLE
ORDERS.
A COPY OF THIS AIN WILL BE ATTACHED TO ALL ISSUE
DOCUMENTS.

AMMO INFO NOTICE 037-1989:

This AIN was superseded or canceled prior to resys.

AMMO INFO NOTICE 006-1990:

(EW75)
REF: NAVWPNSUPPCEN CRANE IN 222053Z JAN 90
CTG, 5.125 INCH, MK 186 MOD 0 (1320-EW75)
EW75 CARTRIDGES HAVE BEEN FOUND THAT EXHIBIT EXCESSIVE
CORROSION IN THE EXTENSION TUBE AND NOSE AREAS THAT AFFECT
STRUCTURAL INTEGRITY. EXCESSIVE CORROSION THAT IS DETERMINED
TO AFFECT THE STRUCTURAL INTEGRITY OF THE CARTRIDGE OR
EXTENSION TUBE SHALL BE LOCALLY RECLASSIFIED TO CONDITION CODE
FOXTROT AND RETURNED TO A COASTAL ACTIVITY, MARKED FOR
SHIPMENT TO NAVWPNSTA YORKTOWN VA, CODE 203, FOR REWORK.
SURFACE RUST ON THE EXTENSION TUBE AND NOSE CAP WILL NOT
AFFECT CARTRIDGE FUNCTION.

CARTRIDGES FOUND THAT EXHIBIT SIGNS OF LEAKING FUEL SHALL
BE LOCALLY RECLASSIFIED TO CONDITION CODE HOTEL, RESEALED IN
THE CONTAINER, AND SEGREGATED IN A COOL PLACE FOR OFFLOAD OR
DISPOSAL AT THE EARLIEST CONVENIENCE.

AMMO INFO NOTICE 004-1991:

(D579/D624/C511)
REF: AMCCOM ROCK ISLAND IL 281800Z JUN 90 (80-90)
DEFECT CLASS FOR ROCKET MOTOR/WARHEAD GAP ON HERA PROJECTILES
(1320-D579/D624)

THIS AIN UPDATES THE FOLLOWING PUBLICATIONS: TM
9-1300-251-34, DMWR 9-1320-D579-J20, DMWR 9-1320-D624-F20 AND
SB 742-1.

EXCESSIVE GAP BETWEEN WARHEAD AND MOTOR BODY ASSEMBLY IS
A CRITICAL DEFECT FOR BOTH 155MM, M549A1 AND 8 INCH M650 HERA
PROJECTILES DUE TO POTENTIAL FOR MOTOR SEPARATION. GAP
CRITERIA FOR INSP AND MAINT IS:

A. A 0.0075 INCH FEELER GAGE SHALL NOT ENTER JOINT
AT ANY POINT.

B. A 0.0035 INCH FEELER GAGE MAY ENTER JOINT BY
MORE THAN ONE-EIGHTH INCH ON ANY ONE 30 DEGREE SEGMENT OF
JOINT, HOWEVER, IT MAY NOT ENTER BY MORE THAN ONE-EIGHTH INCH
ON THE REMAINING 330 DEGREE SEGMENT.

GAP GREATER THAN 0.010 INCHES AT ANY POINT BETWEEN
FORWARD AND AFT WARHEAD ASSY OF THE 8 INCH M650 IS A MAJOR
DEFECT.

OBTURATOR BANDS MISSING OR DAMAGED (CANNOT BE
REPOSITIONED TO REMAIN IN THE GROOVE) IS A CRITICAL DEFECT FOR
SUBJ PROJECTILES.

AMMO INFO NOTICE 021-1991:

(C380/H557)
REF: AMCCOM ROCK ISL IL 211500Z DEC 90 (26-91)
CTG, 120MM, APFSDS-T, M829 SERIES (1315-C380)
IT WAS RECENTLY REPORTED THAT DURING A UNIT UPLOAD
EXERCISE, TWO ROUNDS OF SUBJ AMMO LOT NUMBER MHM89F092-001
WERE FOUND WITH HOSE CLAMPS STILL IN PLACE ON SABOTS. THIS
IS CLASSIFIED AS A MAJOR DEFECT IN SASIP 742-1315-94-152
HOWEVER DUE TO SHORT SUPPLY AND OPERATIONAL DEMANDS, NO
SUSPENSION OR RESTRICTION ACTION WAS TAKEN AGAINST THE LOT.
THE HOSE CLAMP IS A PRODUCTION ASSEMBLY AID, WHICH SHOULD HAVE
BEEN REMOVED DURING MANUFACTURE.
SPECIAL INSPECTION OF LOTS EXHIBITING HOSE CLAMPS IS NOT
WARRENTED. INSPECTION BY USER AT TIME OF UPLOAD IS
SUFFICIENT. HOSE CLAMPS FOUND ON M829 SERIES AMMUNITION
SHOULD BE REMOVED. ACCURACY WILL BE AFFECTED, IF AMMUNITION
IS FIRED WITH NOSE CLAMP INSTALLED. HOSE CLAMPS FOUND, WILL
BE REPORTED TO CG MCRDAC WASHINGTON DC//AM-QA//.
THIS DEFECT IS NOT CURRENTLY IDENTIFIED IN USER LEVEL
REFERENCE, SPECIFICALLY, TM 9-2350-264-10-2, CHAPTER 5.
REQUEST USERS BE MADE AWARE THAT ROUNDS NOTED WITH HOSE
CLAMPS
STILL INSTALLED ON SABOT SHOULD BE CORRECTED AT TIME OF
UPLOAD.

AMMO INFO NOTICE 031-1991:

(L602)
REF: AMCCOM ROCK ISL IL 102110Z MAY 91 (SOUH 11-91)
SIMULATOR, FLASH, ARTILLERY, M21 (1370-L602)
PROBLEM: MATERIAL APPEARING IN TM 9-6920-742-14&P INDICATES
THAT THE SIMULATOR, FLASH, ARTILLERY, M21, THE TARGET HIT
(STEEL-ON-STEEL) SIMULATOR AND THE TARGET KILL (BLACK SMOKE)
SIMULATOR ARE AVAILABLE FOR USE WITH THE REMOTED TARGET SYSTEM
(RETS) GUNFIRE SIMULATOR (GUFS) DEVICE, LIN S58662,
P/N 12725085-1, NSN 6920-01-333-2362. HOWEVER, THE RETS/GUFS HAS
ONLY BEEN QUALIFIED USING THE M21 SIMULATOR (COMMONLY KNOWN AS
THE "FLASH/BANG" CARTRIDGE). THE SMOKE AND STEEL-ON-STEEL
PYROTECHNIC CARTRIDGES HAVE BEEN PROCURED AT THE DIRECT
REQUEST
OF TRADOC AND THE USMC FOR USE ONLY AT THE FOLLOWING LOCATIONS:
THE U.S. ARMY NATIONAL TRAINING CENTER (NTC), FT IRWIN CA, THE
GRAFENWOEHR TRAINING AREA, FRG AND THE USMC TRAINING FACILITIES
AT CAMP PENDLETON AND 29 PALMS CA. NO DEVELOPMENT OR SAFETY
TESTS HAVE BEEN CONDUCTED WITH THE NON-STANDARD SMOKE OR
STEEL-ON-STEEL PYROTECHNIC CARTRIDGES, AND THERE HAS NEVER
BEEN
A GENERAL MATERIEL RELEASE OF THESE ITEMS. THEREFORE, THEIR
USE AT OTHER SITES OR INSTALLATIONS IS NOT AUTHORIZED. FURTHER,
A RECENT INCIDENT AT THE USMC FACILITY AT 29 PALMS CA, DISCLOSED
THAT INSERTING AND IGNITING A SMOKE CARTRIDGE IN THE TUBES OF
THE RETS/GUFS WILL RESULT IN EQUIPMENT DAMAGE, AND THE
INADVERTENT IGNITION OF ADJACENT CARTRIDGES. THUS, IT IS
APPARENT THAT USE OF THESE NON-STANDARD PYROTECHNIC
CARTRIDGES
WITH RETS/GUFS MAY BE HAZARDOUS TO BOTH PERSONNEL AND
EQUIPMENT.
USER ACTION: THE FOLLOWING GUIDANCE IS TO BE OBSERVED
EFFECTIVE IMMEDIATELY:
A. USE OF THE NON-STANDARD PYROTECHNIC CARTRIDGES IS
PROHIBITED AT INSTALLATIONS OTHER THAN THOSE IDENTIFIED ABOVE.
B. THE INSTALLATIONS IDENTIFIED ABOVE WILL EXERCISE EXTREME
CAUTION WHEN USING ANY NON-STANDARD SMOKE AND STEEL-ON-STEEL

PYROTECHNIC CARTRIDGE IN OR WITH RETS/GUFS. THIS CAUTION INCLUDES ANY DEVISED METHOD OF CONNECTING A CARTRIDGE ELECTRICALLY TO THE RETS/GUFS. TARGET HIT (STEEL-ON-STEEL) SIMULATORS MUST BE IGNITED WITHIN THE TUBES OF RETS/GUFS. TARGET KILL (SMOKE) SIMULATOR CARTRIDGES WILL BE IGNITED ONLY AFTER BEING PLACED ON THE GROUND, OUTSIDE OF THE TUBES, AND AWAY FROM COMBUSTIBLE MATERIAL. WHEN EXISTING STOCKS OF THESE CARTRIDGES ARE EXPENDED, NO FURTHER PROCUREMENTS WILL OCCUR UNTIL

EITHER A SAFETY RELEASE IS PROVIDED OR STANDARDIZED, FORMALLY TYPE CLASSIFIED CARTRIDGES ARE AVAILABLE. AMCCOM WILL TAKE ACTION TO REMOVE ERRONEOUS MATERIAL FROM TM 9-6920-742-14&P IN ADVANCE OF ITS NEXT PUBLISHED REVISION, SCHEDULED FOR MID-1992. ALSO, A NOTICE OF THE ABOVE EQUIPMENT RESTRICTION WILL BE PUBLISHED IN A FORTHCOMING EDITION OF THE EQUIPMENT IMPROVEMENT REPORT (EIR) DIGEST.

TECHNICAL POC AT AMCCOM ROCK ISLAND IS MR. DONALD TIBBETTS, AV 793-1065.

AMMO INFO NOTICE 039-1991:

(C025)

REF: AMCCOM ROCK ISL IL 221645Z AUG 91 (AIN 96-91)

NATIONAL STOCK NUMBER (NSN) CHANGE FOR CTG 75MM, BLANK, M377A2 (1315-C025)

A NEW NSN, 1315-01-307-3944, HAS BEEN ESTABLISHED EXCLUSIVELY FOR SUBJ CTG ASSEMBLED WITH ALUMINUM CTG CASES. PREVIOUS PRODUCTION HAS INCLUDED

THOSE WITH ALUMINUM CTG CASES UNDER SAME NSN AS BRASS.

SURVEILLANCE ORGANIZATIONS SHOULD IDENTIFY CTG CASE MATERIAL OF STOCK MANUFACTURED UNDER OLD NSNS DURING PERIODIC INSPECTIONS.

SHIPMENTS: ANNOTATE SHIPPING DOCUMENT FOR CTGS WITH ALUMINUM CTG CASES AND INCORRECT NSN AS FOLLOWS: "NSN FOR CTGS WITH ALUMINUM CTG CASES HAS CHANGED TO 1315-01-307-3944, ALTHOUGH CONTAINERS RETAIN OLD NSN".

STOCKPILE, IF OTHERWISE SERVICEABLE, SHOULD BE RETAINED IN A SERVICEABLE CONDITION CODE.

OLD NSN ON PACKAGING OF CTGS WITH ALUMINUM CTG CASES SHOULD BE CHANGED CONCURRENT WITH OTHER REQUIRED MAINTENANCE.

AMMO INFO NOTICE 007-1992:

SUBJ: HANDLING OF PALLETIZED TANK AMMUNITION WITH ROUGH TERRAIN (RT) FORKLIFTS

REF AMCCOM ROCK ISLAND IL 241400Z DEC 91 (27-92).

THERE HAVE BEEN REPORTS OF DAMAGE TO 105MM AND 120MM TANK TRAINING AMMUNITION UNITIZED ON WOODEN PALLETS; SPECIFICALLY, DAMAGE (DENTING) OF OUTSIDE PA117 CONTAINER ON NEXT TO TOP ROW, OR PA116 CONTAINER ON THIRD OR FOURTH ROW FROM THE BOTTOM OF THE PALLET.

THE DAMAGE WAS DETERMINED TO BE CAUSED BY CONTAINERS STRIKING THE SHARP ANGLE PROVIDED BY THE TOP OF THE VERTICAL END SECTION OF THE FORKLIFT TINES. NO PROTECTION IS PROVIDED BY THE PACKAGE GUARD. PROBLEM IS FURTHER AGGRAVATED BY EXCESSIVE TILTING OF FORKS RESULTING IN MORE FREQUENT AND DAMAGING IMPACTS BETWEEN CONTAINERS AND TOPS OF TINES.

TO PRECLUDE DAMAGE, RT USERS SHOULD FASTEN A BOARD HORIZONTALLY TO PACKAGE GUARD IMMEDIATELY ABOVE TOP OF TINES TO CREATE A FLUSH SURFACE. BOARD SHOULD BE PLACED AT HEIGHT WHICH WILL STILL PERMIT LATERAL (SIDEWAYS) ADJUSTMENT OF TINES. U.S. ARMY DEFENSE AMMUNITION CENTER AND SCHOOL (USADACS), SMCAC-DES ANALYSIS INDICATES THAT A TWO INCH BY TEN INCH BOARD PLACED HORIZONTALLY ALONG ENTIRE WIDTH OF PACKAGE GUARD WOULD PROVIDE

ADEQUATE PROTECTION. SHIMS MAY BE REQUIRED BETWEEN BOARD AND PACKAGE GUARD TO SUPPORT BOARD AND KEEP IT IN SAME PLANE AS FORKLIFT TINES. FORKLIFT OPERATORS SHOULD ALSO BE REMINDED THAT FORKS NEED ONLY BE TILTED ENOUGH TO EFFECT SAFE MOVEMENT. MAXIMUM ANGLE IS NOT ALWAYS NECESSARY NOR DESIRABLE.

AMMO INFO NOTICE 011-1992:

POC AT USADACS IS MR. JOHN SPRAGUE, AV 585-8928.
SUBJ: CHARGE, DEMOLITION, HE, LINEAR, M58 (1375-M913)
LAST AIN XMITTED 191935Z MAR 92.

REF AMCCOM ROCK ISLAND IL 061817Z FEB 92 (SOU M 92-02).
RECENT TESTING HAS SHOWN THAT THE CURRENT PROHIBITION OF TOWING THE MICLIC BEHIND AN M1 SERIES TANK SHOULD BE AN EMPHATIC WARNING, NOT JUST A PROHIBITION. TESTS REVEALED THAT THE EXTREME HEAT OF THE M1 TANK'S EXHAUST CAN IGNITE BOTH THE M58 OR M68 LINEAR CHARGE AND THE MK 22 ROCKET CARRIED ON THE TRAILER.

IT IS REQUESTED THAT THE ABOVE MESSAGE BE ISSUED TO ALL ENGINEER UNITS IN THE INTERIM TO EMPHASIZE THAT TOWING THE MICLIC BEHIND AN M1 TANK IS NOT JUST PROHIBITED, IT IS DANGEROUS. A WARNING SIMILAR TO THE ABOVE WILL BE ADDED TO TM 9-1375-215-14 IN THE FORTHCOMING CH 2, DUE OUT OF PUBLICATION IN APPROXIMATELY SIX MONTHS.

AMMO INFO NOTICE 012-1992:

SUBJ: SHORT ROUND AND MISFIRE PROCEDURES F/CTG 81MM, HE, M889/M821 (1315-C869, C868)

LAST AIN XMITTED 171935Z APR 92.
REF AMCCOM ROCK ISLAND IL 131936Z APR 92 (AIN 54-92).
REQUEST DISSEMINATION OF THIS AIN TO ALL UNITS FIRING 81MM MORTARS, RANGE SAFETY OFFICERS AND EOD.

RARE INSTANCES OF SHORT ROUNDS AND MISFIRES MAY BE EXPECTED WITH SUBJECT CARTRIDGES MANUFACTURED PRIOR TO NOVEMBER 1989. CAUSE IS BLOCKAGE OF PRIMER FLASH HOLE BY SEALING COMPOUND UTILIZED DURING MANUFACTURE.

FOLLOWING PROCEDURES APPLY TO SHORT ROUNDS:

A. TESTING HAS DETERMINED SHORT ROUNDS CAUSED BY THIS DEFECT WILL FALL AS SHORT AS 3.5 FEET AND AS FAR AS 140 FEET FROM WEAPON. ASSEMBLED FUZES, PD, M935 AND MULTI-OPTION, M734 NORMALLY DO NOT ARM WITHIN THIS RANGE OR FUNCTION UPON IMPACT.

B. GUN CREWS EXPERIENCING SHORT ROUNDS DESCRIBED IN PARA 5A MUST EVACUATE FIRING POSITION DUE TO REMOTE POSSIBILITY FOR FUZE ARMING. EOD MUST ACCOMPLISH DISPOSAL OF DUDS.

C. REQUEST EOD NOTE PRESENCE OF UNBURNED PROPELLANT OR OTHER UNUSUAL CONDITIONS AND INCLUDE PHOTOGRAPHS AND OBSERVATIONS INTO REPORTING FIRING UNIT'S AMMUNITION MALFUNCTION REPORT.

FOLLOWING PROCEDURES SHOULD BE UTILIZED FOR MISFIRES:

A. UPON EXPERIENCING MISFIRES, MISFIRES SHOULD BE REPACKED, CONTAINERS MARKED "MISFIRES", AND RETURNED TO THE AMMUNITION SUPPLY POINT. A QUALIFIED AMMUNITION INSPECTOR SHOULD INSPECT MISFIRES AND INCLUDE INTO THE FIRING UNIT'S AMMUNITION MALFUNCTION REPORT, OBSERVATIONS/PHOTOGRAPHS IF POWDER BURNS ARE

FOUND AROUND PRIMER HOUSING, OR PROPELLANT IS FOUND TO BE SCORCHED. THESE CONDITIONS ARE INDICATIVE OF BLOCKED FLASH HOLE.

ABOVE REQUIREMENTS ARE IN ADDITION TO, NOT IN LIEU OF ACTIONS REQUIRED BY MCO 8025.1C.

AMMO INFO NOTICE 011-1993:

SUBJ: CTG, 81MM, ILLUM, M853 (1315-C871) WARNING OF SHORT ROUNDS

REF AMCCOM ROCK ISLAND IL 161328Z JUN 93 (AIN 79-93).
REQUEST DISSEMINATION OF THIS AIN TO ALL UNITS FIRING

81MM MORTARS, RANGE SAFETY OFFICERS AND EOD.

RARE INSTANCES OF SHORT ROUNDS MAY OCCUR WITH SUBJECT CARTRIDGES MANUFACTURED PRIOR TO JUNE 1992 (LOT LOW92E002-001 AND PRIOR). TRAJECTORY MAY BE AS SHORT AS 20 PERCENT OF EXPECTED RANGE. CAUSE IS FIN SEPARATION WHICH IS ESTIMATED TO OCCUR WITH ONE IN EIGHT THOUSAND CARTRIDGES FIRED.

TESTING HAS DEMONSTRATED THAT SHORT ROUNDS DO NOT PRESENT A HAZARD TO OPERATORS. PERSONNEL UTILIZING STANDARD SURFACE DANGER AREA TEMPLATES AS PRESCRIBED BY AR 385-63 SHOULD NOT BE ENDANGERED BY FIN ASSEMBLIES WHICH MAY LAND JUST BEYOND CANNON MUZZLE.

UNITS FIRING 81MM MORTARS SHOULD BE AWARE OF THE VISUAL AND AUDIBLE SIGNATURE OF A FIN SEPARATION:

- A. ROUND TUMBLING AS IT GOES DOWNRANGE,
- B. FIN LANDING A SHORT DISTANCE FROM THE TUBE,
- C. PROJECTILES EXPERIENCING A SHORTER RANGE AS COMPARED TO OTHER ROUNDS, AND OR
- D. WHISTLING OR WHINING SOUND AS THE PROJECTILE TRAVELS DOWNRANGE.

FOLLOWING PROCEDURES APPLY WHEN EXPERIENCING SHORT ROUNDS:

- A. CLEAR WEAPON, AS FIN ASSEMBLY MAY REMAIN IN CANNON AND CAUSE NEXT ROUND TO MISFIRE.
- B. DO NOT APPROACH PROJECTILE, AS FUZE IS LIKELY TO FUNCTION AT SET TIME, EXPELLING THE BURNING CANDLE.
- C. REPORT AS REQUIRED BY MCO 8025.1C.

AMMO INFO NOTICE 014-1993:

SUBJ: PROJECTILE, 155MM, M712 AND M823 COPPERHEAD (1320-D510, D511)

THIS AIN SUPERSEDES SPCC AIN 038-89 (DTG 261850Z SEP 89).
REF AMCCOM ROCK ISLAND IL 091743Z SEP 93 (104-93).

AN ENGINEERING CHANGE PROPOSAL (ECP) ON SUBJECT ROUNDS HAS BEEN APPROVED WHICH ELIMINATES REQUIREMENT FOR STICKERS/DECALS ON OUTSIDE OF COPPERHEAD CONTAINERS. ALL ASSETS IN CONDITION CODES OTHER THAN C/C A SOLELY FOR DAMAGED OR MISSING STICKERS/DECALS WILL BE RECLASSIFIED IAW ECP A6A8800.

ECP DOES NOT ELIMINATE REQUIREMENT FOR SERIAL NUMBER IDENTIFICATION REQUIRED TO MATCH CONTAINER TOP AND BOTTOM. ECP CHANGES FORM OF MARKING FROM STICKER TO STENCIL OR INK STAMP MARKING. CONTAINER HALVES MUST BE IDENTIFIED BY EITHER STICKER OR STENCIL/INK STAMP METHOD. IF STICKER HAS PEELED OFF AND THE CONTAINER SERIAL NUMBER IS IDENTIFIABLE, RE-MARK USING OTHER METHOD. IF SERIAL NUMBER IS UNKNOWN, MARK BOTH HALVES WITH PREFIX CNTR FOLLOWED BY PROJECTILE SERIAL NUMBER.

ABOVE INFO APPLIES TO M712 AND M823 TRAINING PROJECTILES, PLUS ALL SPARE CONTAINERS.

AMMO INFO NOTICE 002-1994:

SUBJ: CHARGE, DEMOLITION, HE, LINEAR, M58 SERIES (1375-M913)
REF MARCORSYSCOM MEMO DTD 12 OCTOBER 1993.

DURING SURVEILLANCE TESTING OF THE M58 LINEAR DEMOLITION CHARGE (M913), A WHITE POWDERY SUBSTANCE WAS OBSERVED ON THE UNPAINTED SURFACES OF THE CONTAINERS FUZE HOLDER. THIS WHITE SUBSTANCE IS CADMIUM FORMATE, A CORROSION BY-PRODUCT.

ANALYSIS OF THE CADMIUM FORMATE REVEALED THAT IT IS TOXIC. WHEN CADMIUM IS INGESTED, IT DOES NOT RESULT IN FATAL POISONING HOWEVER, THERE IS A SIGNIFICANT RISK OF AFFECTING THE RESPIRATORY TRACKS AND KIDNEY.

USERS OF THE M58 LINEAR DEMOLITION CHARGE SHOULD INSPECT THE FUZE HOLDER FOR PRESENCE OF CADMIUM POWDER (WHITE). USERS SHOULD WEAR GLOVES WHEN HANDLING CONTAMINATED FUZES. AT THE

COMPLETION
OF OPERATIONS, USERS MUST WASH HANDS, PARTICULARLY BEFORE
EATING
OR DRINKING.

AMMO INFO NOTICE 010-1994: SUBJ: AMMUNITION RETROGRADE FROM SOMALIA
REF AMCCOM ROCK ISLAND IL 291449Z NOV 93 (AIN 20-94).
THIS AIN APPLIES TO U.S. MARINE CORPS ASSETS ONLY.
REQUEST THIS AIN BE PASSED TO ALL ORGANIZATIONS INVOLVED IN
PREPARING, SHIPPING OR RECEIVING AMMUNITION BEING RETROGRADED
FROM SOMALIA.
THE INTENT IS TO IDENTIFY, IN SOME MANNER, TO THE RECEIVING
INSTALLATION THAT THE AMMUNITION IS FROM SOMALIA. ANY MEANS THAT
ACCOMPLISHES THIS IS ACCEPTABLE.
IT IS RECOMMENDED THAT PALLETS OR PALLET BOXES OF AMMUNITION
BEING RETROGRADED FROM SOMALIA HAVE A PLACARD APPLIED. THE
LETTERS -SOM- SHOULD BE STENCILED, PAINTED OR MARKED AS LARGE OR
DISTINCT AS POSSIBLE ON THIS PLACARD. THERE IS NO REQUIREMENT
FOR ANY SUFFIX, OR INTERFIX, OR ANY OTHER SPECIAL MARKING TO BE
APPLIED TO THE PLACARD OR ANYWHERE ELSE. PALLETS OF SEPARATE
LOADING PROJECTILES SHOULD HAVE -SOM- MARKED ON THE PALLET TOP,
OR ON TAGS ATTACHED TO THE PALLET.
INSTALLATIONS RECEIVING RETROGRADE FROM SOMALIA SHOULD
HANDLE
THESE RECEIPTS AS A FIELD RETURN. DSRs ARE UNLIKELY TO BE
AVAILABLE AND SHOULD NOT BE REQUESTED.

AMMO INFO NOTICE 011-1994: SUBJ: MRO PROJECT CODES
THIS AIN SUPERSEDES SPCC AIN 035-87 (DTG 051900Z AUG 87).
REF MARCORSYSCOM MEMO DTD 16 DEC 93.
THIS AIN APPLIES TO U.S. MARINE CORPS ASSETS ONLY.
REQUEST THE FOLLOWING INFO BE PASSED TO ALL PERSONNEL IN
AMMUNITION SUPPLY ORGANIZATIONS.
PURPOSE OF THIS AIN IS TO HIGHLIGHT SPECIFIC CODES USED BY
SURVEILLANCE FOR AMMO SHIPMENT CLEARANCE (PROJECT CODES ARE
DESCRIBED IN AR-725-50 AND MCO 4400.149B/0901890).
FOLLOWING IS A LIST OF PRIMARY PROJECT CODES AND APPLICATIONS

PROJECT	EXPLANATION
MEA	POSITIONING ON BOARD MPS-1
MEB	POSITIONING ON BOARD MPS-2
MEC	POSITIONING ON BOARD MPS-3
YSS	TRAINING USE ONLY
YST	PREPOSITIONED WAR RESERVES
YTT	CLEARED FOR OVERHEAD FIRE
830	ONLOAD FOR DEPLOYMENT FOR EXERCISE MARINE CORPS CLASS V(W) AS LFORM
870	PREPOSITIONED WAR RESERVE CONUS STORAGE
871	PREPOSITIONED WAR RESERVE OCONUS STORAGE - EAST
872	PREPOSITIONED WAR RESERVE OCONUS STORAGE - WEST
880	SURVEILLANCE SAMPLES
887	TRANSFERRED TO A DISPOSAL ACCOUNT
889	ITEM SCHEDULED FOR MAINTENANCE

FOR CLARIFICATION OF PROJECT CODES NOT LISTED ABOVE, CONTACT
PMAM-IMS AT DSN 226-1160.

AMMO INFO NOTICE 016-1994: SUBJ: INSPECTION AND TESTS OF 25MM AMMUNITION (1305-A974,A975,
A976)
REF AMCCOM ROCK ISLAND IL 011939Z DEC 93 (AIN 23-94).
THIS AIN SUPERSEDES NOC IMSD AIN 013-94 (DTG 021935Z FEB 94).
THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.
REQUEST FOLLOWING INFO BE PASSED TO ALL PERSONNEL USING OR
RESPONSIBLE FOR INSPECTING SUBJECT ITEMS.

FOLLOWING REQUIREMENTS FOR CTGS, 25MM, APDS-T, M791, HEI-T, M792, TP-T, M793 AND TPDS-T, M910 ARE TO BE USED DURING INSPECTION OF 25MM AMMUNITION.

A. M791/M910: MISSING OR CRACKED PLASTIC NOSE CAPS FROM THE DISCARDING SABOT ARE NOT TO BE CONSIDERED A DEFECT. MISSING OR CRACKED PLASTIC NOSE CAPS DO NOT AFFECT THE BALLISTIC PERFORMANCE OF THESE CARTRIDGES AND DO NOT POSE ANY RISK TO THE M242 CANNON. ROUNDS FOUND WITH MISSING PLASTIC NOSE CAPS MUST HAVE THE EXPOSED

ALUMINUM WINDSCREEN VISUALLY INSPECTED FOR DENTS OR DAMAGE. DAMAGED WINDSCREEN WILL BE CLASSIFIED AS A MAJOR DEFECT. WHEN DEFECTIVE SAMPLES ARE NOTED IN INSUFFICIENT QUANTITIES TO CAUSE REJECTION OF A SERVICEABLE LOT, ROUNDS WILL BE SEPARATED FROM THE

SERVICEABLE LINKED BELT AND DISPOSED OF IAW LOCALLY APPROVED PROCEDURE. ONLY SERVICEABLE SAMPLES WILL BE RETURNED TO PARENT LOT. WHEN DEFECTIVE SAMPLES ARE NOTED IN SUFFICIENT QUANTITIES TO CAUSE REJECTION OF A SERVICEABLE LOT, LINKED BELT WILL BE SEPARATED FROM THE SERVICEABLE LOT, AND LOT RECLASSIFIED AND REPORTED IAW TW024-AA-ORD-010.

B. M791/M792/M793/M910: FREE HINGING - LINKED 25MM AMMUNITION SHALL HINGE FREELY AND FOLD OVER SMOOTHLY WITHOUT BINDING, KINKING, SEPARATING OR ANY INTERFERENCE WHEN BELT IS PULLED OVER ITSELF. EACH BELT SHALL BE LAID OUT FULL LENGTH WITH OPEN SIDE OF LINKS UP. ONE END SHALL BE DRAWN OVER REMAINDER OF BELT UNTIL BELT IS COMPLETELY REVERSED (OPEN SIDE OF LINK DOWN). ONE END OF REVERSED BELT SHALL THEN BE DRAWN OVER REMAINDER OF BELT UNTIL BELT IS RETURNED TO ORIGINAL (OPEN SIDE OF LINK UP) POSITION. BELT MUST HINGE FREELY THROUGHOUT THIS PROCESS. FAILURE TO HINGE FREELY WILL BE CLASSIFIED AS A MAJOR DEFECT.

C. COMPLIANCE WITH DRAWING 12013695, CHARACTERISTICS, LINKED BELT, 25MM, M28 USING LOCALLY FABRICATED 25MM GAGE:

EXAMINATION	METHOD OF INSPECTION	DEFECT CLASSIFICATION
HEIGHT FROM BOTTOM OF CTG TO FORWARD TAB OF M28 LINK.	VERNIER CALIPERS/GAGE	MAJOR
DIMPLE NOT ENGAGED IN CTG CASE GROOVE, TWO (2) PLACES.	VISUAL	MAJOR

NOTE: A STANDARD GAGE HAS NOT BEEN DEVELOPED TO MEASURE ABOVE CHARACTERISTICS. HOWEVER, AMCCOM ROCK ISLAND HAS APPROVED AND MADE AVAILABLE ENGINEERING DRAWINGS ON AN APERTURE CARD FROM WHICH A GAGE MAY BE LOCALLY FABRICATED. DRAWING SHOULD BE REQUISITIONED THROUGH NORMAL CHANNELS. DRAWING NUMBER ASSIGNED

FOR GAGE IS XM283910087. SAMPLING PLANS AND CLASSIFICATION OF DEFECTS - DEFECTS IN ANY OF ABOVE AREAS (FREE HINGING, AND SPECIFIED POINTS OF DRAWING COMPLIANCE) ARE CLASSIFIED AS MAJOR. SAMPLE SIZE WILL BE IAW SB 742-1.

AIRTIGHTNESS TESTING OF M621 CONTAINER IS NOT REQUIRED DURING CYCLIC INSPECTIONS. AIR TESTING OF CONTAINER IS USUALLY PERFORMED DURING MAINTENANCE OPERATIONS ONLY.

SUBJ: SIGNAL, SMOKE AND ILLUMINATION, MARINE, MK 124-0 (1370-L283)

REF AMCCOM ROCK ISLAND IL 281356Z FEB 94 (AIN 39-94).
THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.
REQUEST THIS INFO BE PASSED TO ALL ORGANIZATIONS USING,

AMMO INFO NOTICE 017-1994:

STORING OR SHIPPING SUBJECT AMMUNITION.

DESICCANT AND HUMIDITY INDICATOR CARDS ARE NOT REQUIRED FOR SUBJ ITEM AND SHOULD, THEREFORE, NOT BE CONSIDERED A DEFECT IF CARDS ARE PINK. ANY ASSETS RECLASSIFIED AS UNSERVICEABLE BECAUSE OF PINK HUMIDITY INDICATORS SHOULD BE RECLASSIFIED TO APPROPRIATE CONDITION CODE.

IT HAS BEEN DETERMINED THAT CARDS AND ACCOMPANYING DESICCANT WERE NOT INTENDED TO BE INCLUDED IN THE MK 124 MARINE CORPS PACK. DRAWING WILL BE AMENDED SO THAT FUTURE CONTRACTS WILL NOT REQUIRE CARDS OR DESICCANT.

AMMO INFO NOTICE 002-1995:

SUBJ: CHARGE, DEMOLITION, HE, LINEAR (1375-M913,ML25)
REF AMCCOM ROCK ISLAND IL 271259Z OCT 94 (AIN 8-95).

A COPY OF THIS AIN WILL BE PROVIDED TO ALL UNITS BEING ISSUED THE SUBJECT AMMUNITION. IF EOD IS IN SUPPORT OR REQUIRED TO RESPOND TO AN INCIDENT INVOLVING THE SUBJECT AMMUNITION, THE UNIT BEING SUPPORTED IS REQUIRED TO PROVIDE EOD A COPY OF THIS AIN.

THE LINEAR DEMOLITION CHARGE CONTAINS NUMEROUS PETN RELAY CUPS CRIMPED TO PETN DET CORD. THE RELAY CUPS ARE LOCATED THROUGHOUT THE LENGTH OF THE CHARGE. THE LAST COMP C-4 BLOCK ON THE ROCKET END OF THE CHARGE HAS (3) RELAY CUPS TUCKED AROUND OR INTO THE C-4 BLOCK. THESE RELAY CUPS MAY DETONATE WHEN THEY ARE EXPOSED TO FIRE.

MISFIRE PROCEDURES CONTAINED IN TM-08982A-14/2A DTD JUN 92 (M913) AND TM09962A-13&P/2 DTD JUN 93 (ML25) MUST BE STRICTLY ADHERED TOO. BURNING CHARGES ON THE GROUND OR IN CONTAINERS CAN DETONATE. PERSONNEL EXPOSED TO A BURNING LINEAR DEMOLITION CHARGE WILL IMMEDIATELY EVACUATE THE AREA AND ALLOW THE BURNING CHARGE TO BE CONSUMED BY EITHER FIRE OR DETONATION.

AMMO INFO NOTICE 005-1995:

SUBJ: SAFETY OF USE, DEVICE, DECOY MJU-27-B (1370-2W11)

REF CRANE, NAVSURFWARCEN DIV LTR DTD 23 NOV 94.

RECENTLY REPORTED SIMILAR INCIDENTS INVOLVING INADVERTENT IGNITION OF NALC 2W11, MJU-27/B DECOY DEVICES WHILE UNITS WERE BEING REMOVED FROM PACKAGING HAVE PROMPTED THE FOLLOWING SPECIAL HANDLING REQUIREMENTS FOR ALL LOTS.

A. PERSONNEL SHALL WEAR SUITABLE GLOVES AND FACE SHIELD WHILE HANDLING THE INDIVIDUAL MJU-27/B DECOY DEVICES. THIS INCLUDES WHILE INSTALLING/REMOVING THE DEVICES FROM PACKAGING, DISPENSERS, ETC.

B. ROTATE DECOY DEVICE AT LEAST 360 DEGREES TO LOOSEN TIGHT FIT AND REMOVE FROM CONTAINER SLOWLY.

C. SUITABLE EXTINGUISHING AGENT SHOULD BE AVAILABLE TO PREVENT SPREADING OF FIRE SHOULD INADVERTENT IGNITION OCCUR. DECOY DEVICE INTERNAL COMPONENTS CANNOT BE EXTINGUISHED

BY NORMAL MEANS BUT WILL IGNITE FOR ONLY A FEW SECONDS. WATER OR SAND WILL RETARD IGNITION/HEATING OF INTERNAL COMPONENTS ONLY UNTIL RE-EXPOSED TO AIR.

AMMO INFO NOTICE 011-1995:

SUBJ: 155MM PROJECTILE OBTURATOR DEFECT CLASSIFICATION (1320-D528,D579)

REF AMCCOM ROCK ISLAND IL 021403Z NOV 94 (AIN 9-95).

THIS AIN SUPERSEDES NAVORDCEN AIN 006-94 (151935Z NOV 93).

THIS AIN APPLIES TO U. S. MARINE CORPS STOCK ONLY.

FOLLOWING DEFECT CLASSIFICATION GUIDANCE FOR PROJECTILE OBTURATORS APPLIES TO PROJ. 155MM M825/M825A1 (1320-D528) AND PROJ. M549 (1320-D579):

A. A MISSING OBTURATOR BAND CAN CAUSE A SHORT ROUND AND IS CLASSIFIED AS A CRITICAL DEFECT.

B. A DAMAGED OBTURATOR BAND, EVIDENCING A BREAK EXTENDING ACROSS AND THROUGH THE ENTIRE WIDTH OF BAND, ORIGINATING FROM A CRACK, CUT OR GOUGE, CAN CAUSE A SHORT ROUND AND IS CLASSIFIED AS A CRITICAL DEFECT.

C. A DAMAGED OBTURATOR BAND, ISOLATED TO INDIVIDUAL ROUNDS AND USUALLY DISCOVERED DUE TO ROUGH HANDLING SHALL BE EVALUATED TO DETERMINE OVERALL INTEGRITY OF THE BAND. BANDS FOUND TO HAVE SIGNIFICANT MATERIAL DAMAGE DUE TO DENTS, GOUGES, TEARS OR MATERIAL MISSING SHALL BE CLASSIFIED AS A CRITICAL DEFECT. SIGNIFICANT MATERIAL DAMAGE WILL BE CONSIDERED ANY DEFECT WHICH WILL PREVENT THE OBTURATOR FROM FORMING A COMPLETE

SEAL DURING USE OR A DEFECT WHICH WILL RESULTS IN LOSS OF STRENGTH OR SHAPE OF THE OBTURATOR. SURFACE CRACKING OR SCRATCHES WHICH DO NOT INTERFERE WITH SEAL SURFACE SHALL BE CLASSIFIED AS AN INCIDENTAL DEFECT.

D. A -LOOSE- OBTURATOR BAND IS A CRITICAL DEFECT IF BAND WILL NOT REMAIN IN GROOVE. IF BAND CAN BE MANUALLY REMOVED FROM GROOVE, BUT CAN ALSO BE -SNAPPED- BACK INTO GROOVE, ROUND SHOULD BE CONSIDERED SERVICEABLE. CIRCUMFERENTIAL MOVEMENT OF OBTURATOR IS NOT CASSIFIED AS A DEFECT.

AMMO INFO NOTICE 014-1995:

SUBJ: FIRING M819 81MM RED PHOSPHOROUS (RP) CARTRIDGES TO FUNCTION IN THE POINT DETONATING (PD) MODE (1315-C870)

REF MARCORSYSCOM MEMO DTD 05 JAN 95.

THIS AIN APPLIES TO MARINE CORPS ASSETS ONLY.

A COPY OF THIS AIN WILL BE ISSUED FOR USE BY INDIVIDUALS/UNITS FIRING 81MM M819 RED PHOSPHOROUS (RP) CARTRIDGES.

AN INDEPENDENT EVALUATION OF M819 RP SMOKE CARTRIDGE BY AMSAA DURING 1991, THE M772 MTSQ FUZE ON THE M819 RP CARTRIDGE WAS NOT DESIGNED TO RELIABLY FUNCTION ON IMPACT, AND SHOULD ONLY BE SET FOR AIR BURST. BALLISTIC TESTING AND MALFUNCTION REPORTS HAVE SHOWN THAT THIS CARTRIDGE HAS UP TO A 50 PERCENT DUD RATE WHEN IT IMPACTS THE GROUND. SCREENING AND MARKING WILL BE ACCOMPLISHED MUCH MORE EFFICIENTLY THROUGH AIR BURSTS.

THE M819 DOES NOT PRODUCE SMOKE WITH THE BURSTING EFFECT SEEN WITH M375 WHITE PHOSPHOROUS CARTRIDGES. SMOKE IS PRODUCED

AS RP PELLETS BURN OVER SEVERAL MINUTES. THEREFORE, THE M819 MAY NOT BE AS EFFECTIVE AS THE M375 FOR MARKING TARGETS, ESPECIALLY WHEN SET FOR GROUND BURST (E.G. UNDER FOREST CANOPY) OR UNDER WET CONDITIONS.

A GROUND BURST SMOKE SCREEN WILL REQUIRE UP TO TWICE AS MANY CARTRIDGES AS AN AIR BURST SMOKE SCREEN, BECAUSE OF THE HIGH DUD RATE. WHEN GROUND BURSTS ARE REQUIRED, FUZES MUST BE SET BETWEEN ZERO (0) AND FOUR (4) SECONDS OR BETWEEN FIFTY-SIX (56) AND ZERO (0) SECONDS.

AMMO INFO NOTICE 015-1995:

SUBJ: MARINE CORPS POLICY STATEMENT CONCERNING CONDITION CODE ECHO SHIPPABLE/SHOOTABLE ASSETS

REF MARCORSYSCOM MEMO DTD 29 MAR 95.

THIS AIN APPLIES TO MARINE CORPS ASSETS ONLY.

REQUEST THIS INFORMATION BE DISSEMINATED TO ALL SURVEILLANCE AND SUPPLY ORGANIZATIONS.

THIS IS A CHANGE IN POLICY REGARDING THE CONDITION CODING OF SHIPPABLE/SHOOTABLE AMMUNITION. PAST POLICY REGARDING SHIPPABLE/SHOOTABLE AMMUNITION HAS BEEN LESS THAN SUCCESSFUL AND HAS POSED AN EXTRAORDINARY RESOURCE BURDEN ON THE ENTIRE

AMMUNITION LOGISTICS COMMUNITY. THIS AIN PROVIDES CLARIFICATION AND REFINEMENT OF THE POLICY AS IT WILL BE APPLIED TO THE MARINE CORPS INVENTORY.

THE GOAL OF THIS POLICY IS THE IDENTIFICATION OF USABLE AMMUNITION STOCK WHICH IS SUITABLE FOR ISSUE AND IMMEDIATE USE IN TRAINING WITHOUT THE EXPENDITURE OF ADDITIONAL MAINTENANCE FUNDS. ITEMS ARE SUITABLE FOR ONE-TIME SHIPMENT IN SUPPORT OF SHORT TERM TRAINING REQUIREMENTS.

EFFECTIVE IMMEDIATELY, MARINE CORPS CONVENTIONAL AMMUNITION WHICH HAS BEEN DETERMINED TO BE UNSERVICEABLE, BUT SHIPPABLE/SHOOTABLE, AND WOULD HAVE BEEN ASSIGNED TO CONDITION CODE E (ECHO) IAW DOD 5160.64-M SINGLE MANAGER FOR CONVENTIONAL AMMUNITION, APRIL 1989, WITH JOINT CONVENTIONAL AMMUNITION POLICIES AND PROCEDURES (JCAPP) NUMBER:0489-5-1, 28 FEB 92, WILL BE SENTENCED IAW THE LOGIC IDENTIFIED BELOW:

A. AMMUNITION STOCK THAT IS DEEMED UNSAFE FOR MOVEMENT OR USE, OR THAT REQUIRES MAINTENANCE IN ORDER TO RETURN THE STOCK TO A USABLE CONDITION, WILL BE SENTENCED TO CONDITION CODE F (FOXTROT).

B. AMMUNITION STOCK THAT CAN BE ISSUED AND SHIPPED, AND MEETS THE CRITERIA, PREVIOUSLY REFERRED TO AS SHIPPABLE/SHOOTABLE, WILL BE SENTENCED TO CONDITION CODE C (CHARLIE).

C. AMMUNITION THAT QUALIFIES FOR UPGRADE UNDER COSIS CRITERIA, WILL BE RETAINED IN CONDITION CODE E (ECHO).

AMMUNITION SELECTED FOR RETENTION IN CONDITION CODE C (CHARLIE) MUST BE CAREFULLY SELECTED TO PRECLUDE CUSTOMER COMPLAINTS OR LOSS OF CONFIDENCE IN QUALITY AND RELIABILITY. AMMUNITION MUST HAVE A CURRENT INSPECTION AND NOT BE SUSPENDED OR RESTRICTED. ANY NOTED DEFICIENCIES MUST NOT AFFECT TRANSPORTABILITY OR SAFETY OF AMMUNITION DURING HANDLING, SHIPMENT, STORAGE AND USE.

THIS REVISED POLICY WILL BE IMPLEMENTED AT THE TIME OF NEXT INSPECTION OR NECESSARY ADMINISTRATIVE ACTION. IT IS NOT INTENDED THAT THE CURRENT STOCKPILE, CONDITION CODE AND DEFECT CODE ASSIGNMENTS BE SCREENED SOLELY FOR THIS CHANGE IN POLICY. SUBJ: PROJECTILE, 155MM, M116A1 AND M825, WITH LOOSE INTERNAL COMPONENTS, (1320-D505, D506, D528)

REF AMCCOM ROCK ISLAND IL 161354Z MAR 95 (AIN 43-95).

THIS AIN SUPERSEDES SPCC AINS 007-87/013-92 (DTGS 121947Z JAN 87/011935Z MAY 92).

SUBJECT PROJECTILES MAY RATTLE OR EXHIBIT OTHER INTERNAL NOISE WHEN ROUND IS TIPPED OR SHAKEN. THIS CONDITION IS COMMON DUE TO THE BASIC DESIGN OF PROJECTILE MODELS.

SLIGHT LOOSENESS OF INTERNAL COMPONENTS DOES NOT AFFECT SAFETY, FIRING, OR END ITEM PERFORMANCE OF PROJECTILE. PROJECTILES EXHIBITING THIS RATTLE ARE CONSIDERED ACCEPTABLE IF OTHERWISE SERVICEABLE.

SUBJ: DEFECT CRITERIA FOR BASE CORROSION ON 155MM, WP, M825 PROJECTILES (1320-D528)

REF AMCCOM ROCK IL 231436Z MAR 95 (AIN 50-95).

A COPY OF THIS AIN SHALL BE PROVIDED TO ALL ORGANIZATIONS WITH RESPONSIBILITY FOR INSPECTION OR MAINTENANCE OF SUBJECT PROJECTILES.

PITTED CORROSION, TO THE EXTENT THAT THE MATERIAL HAS BLISTERED OR RAISED FROM THE SURFACE, IN ALUMINUM PORTION OF THE M825 PROJECTILE BASE IS A CRITICAL DEFECT. WHITE CORROSION IS TYPICAL OF STRESS CORROSION CRACKING BELIEVED TO HAVE CAUSED CATASTROPHIC FAILURE OF THE BASE. RED OR BROWN DISCOLORATION

AMMO INFO NOTICE 018-1995:

AMMO INFO NOTICE 022-1995:

ON THE BASE IS GENERALLY A RESULT OF PROJECTILE SURFACE RUST AND CONSIDERED AN INCIDENTAL DEFECT.

THE STEEL PORTION OF THE COMPOSITE STEEL-ALUMINUM BASE, LOCATED ONE QUARTER OF AN INCH TO THE REAR OF THE PROJECTILE BODY-BASE JOINT, MAY EXHIBIT OXIDATION. OXIDATION ON THIS SURFACE IS RUST AND NOT CORROSION.

LOTS REJECTED DUE TO BASE CORROSION WILL BE REPOTED TO MARCORSYSCOM (AM) AND PLACED IN CONDITION CODE -H- (NO FIX IS AUTHORIZED). THIS DEFECT IS CONSIDERED TO BE A FACTOR OF THE ENVIRONMENT, AND THEREFORE, WILL BE SUSPENDED LOCALLY ON AN INDIVIDUAL BASIS.

INSPECTION AND DEFECT CLASSIFICATION CRITERIA IS THE SAME AS THAT USED FOR M483A1 SERIES PROJECTILES WITH OLD STYLE (GREEN) BASES. REFER TO APPENDIX Q (SASIP 742-1320-94-250) OF SB 742-1.

AMMO INFO NOTICE 003-1996:

SUBJ: CHARGE, DEMOLITION BLOCK M112 1 1/4 LB C-4 (1375-M023, M757)

REF CDRIOC ROCK ISLAND IL 271500Z NOV 95.

REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL USING SUBJECT ITEM.

REQUEST THAT ALL INCIDENTS OF LOW ORDER OR PARTIAL DETONATIONS BE REPORTED IAW MCO 8025.1/31MAY90, OPNAVINST 5102.1C AND 5100.21B.

WE HAVE RECEIVED REPORT OF LOW ORDER AND PARTIAL DETONATIONS OF SUBJECT MATERIAL. ACCORDING TO THESE REPORTS, SUBJECT MATERIAL DOES NOT COMPLETELY DETONATE, IT WOULD BREAK APART LEAVING UNEXPLODED CHUNKS OF C-4.

MALFUNCTION REPORTING IS CRITICAL TO MANAGEMENT OF THE MARINE CORPS AND NAVY AMMUNITION ASSETS. FAILURE TO PROPERLY REPORT MALFUNCTIONS CAUSES LOSS OF VALUABLE DATA BY THE DESTRUCTION OF EVIDENCE AT MALFUNCTION SITE AND LOSS OF INFORMATION FROM MALFUNCTION WITNESSES. THIS FAILURE TO REPORT MALFUNCTIONS ALSO MEANS AN INVESTIGATION CAN NOT BE CONDUCTED, PROBABLE CAUSE(S) CAN NOT BE DETERMINED, THE PROBLEM IS NOT FIXED, AND MALFUNCTIONS CAN CONTINUE TO HAPPEN, WITH THE SAME ITEM. ONE OF THESE SUBSEQUENT MALFUNCTIONS

MAY INVOLVE PERSONAL INJURY, DAMAGE TO GOVERNMENT OR CIVILIAN PROPERTY, OR EVEN A FATALITY.

MOST IMPORTANTLY WHEN MALFUNCTIONS CONTINUE TO OCCUR THE USER LOSES CONFIDENCE IN THE AMMUNITION ITEM.

AMMO INFO NOTICE 004-1996:

SUBJ: HAZARDS OF DYNAMITE, MILITARY, M1 WITH LOOSE EXPLOSIVE FILLER (1375-M591)

REF MARCORSYSCOM MEMO DTD 13 FEB 96.

REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL THAT HANDLE MILITARY DYNAMITE.

DURING RECENT QUALITY EVALUATIONS OF DYNAMITE, MILITARY, M1, IT HAS BEEN NOTED THAT RANDOM INSTANCES OF LOOSE FILLER (LIGHT YELLOW OR WHITE COLORED FLAKES) IN THE INNER PACK AND ON THE STICKS HAVE BEEN OBSERVED. THIS IS RDX AND TNT BASED EXPLOSIVE FILLER WHICH HAS VIBRATED OUT OF THE CRIMPED ENDS OR PAPER WRAP. THIS WILL NOT AFFECT THE PERFORMANCE OF THE MATERIAL AND THE MINUTE QUANTITIES OBSERVED ARE AN EXTREMELY LOW EXPLOSIVE HAZARD. HOWEVER, FLAKES THAT FALL INTO A VEHICLE OR BUILDING MUST BE CLEANED UP WITH WATER AND RAGS AND DISPOSED OF AS ONE WOULD ANY OTHER HAZARDOUS EXPLOSIVE MATERIAL. IN THE ABSENCE OF EXUDATION, CRUMBLING, DISINTEGRATION, OR CRACKING OF MILITARY DYNAMITE, LOOSE EXPLOSIVE FILLER THAT IS WHOLLY CONTAINED BY THE INNER PACK IS NOT A SIGNIFICANT DEFECT.

THE EXPLOSIVE FILLER IS SLIGHTLY TOXIC AND MAY HARM THE NERVOUS SYSTEM IF SWALLOWED, THEREFORE, CARE MUST BE TAKEN TO PREVENT INGESTION. PERSONNEL THAT HANDLE M1 DYNAMITE MUST WASH THEIR HANDS AS SOON AS PRACTICAL AND PRIOR TO PLACING ANYTHING IN THEIR MOUTH, I.E. EATING, SMOKING, ETC.

AMMO INFO NOTICE 006-1996: SUBJ: VISUAL INSPECTION OF RR-129 CHAFF COUNTERMEASURES (5865-NW20)
REF NAVAIR LTR DTD 31 JAN 96.
REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL USING OR RESPONSIBLE FOR INSPECTING SUBJECT ITEM.
A RECENT ENGINEERING INVESTIGATION (EI) WAS COMPLETED AND SHOWED THAT ALL OF THE TESTED RR-129 CHAFF COUNTERMEASURE CARTRIDGES HAD CRACKED CASES, BROKEN RETAINING RINGS, OR HAD BEEN CONTAMINATED WITH FUEL(S) SUCH AS HYDRAULICS, AVIATION FUEL, OR WATER. THE RESULTS OF THE (EI) DOCUMENTED THAT REPEATED ARRESTED LANDINGS CAUSED THE MAJORITY OF RETAINING RING FAILURES AND FUELS CAUSED THE CRACKS AROUND THE TUBES END-CAP RETAINING HOLE. FLIGHT TESTS WERE CONDUCTED ON UNITS THAT APPEARED TO HAVE BEEN CONTAMINATED WITH FUELS AND THE RESULTS SHOWED THAT THE RADAR CROSS SECTION (RCS) WAS BELOW ACCEPTABLE LEVELS AND THE CONTAMINATED UNITS WERE CLASSIFIED NON-FLIGHT WORTHY.
THIS AIN DIRECTS VISUAL INSPECTION OF RR-129/NW20 CHAFF COUNTERMEASURES PRIOR TO LOADING THE ALE-29/39/47 COUNTERMEASURES MAGAZINE AND AGAIN FOLLOWING RETURN OF THE MAGAZINE TO THE READY SERVICE LOCKER. RR-129 CHAFF COUNTERMEASURES THAT APPEAR TO HAVE BEEN CONTAMINATED BY FUELS, OR HAVE CRACKED CASES OR BROKEN RETAINER RINGS SHALL BE PLACED IN CONDITION CODE HOTEL.

AMMO INFO NOTICE 007-1996: THE WEAPONS ASSEMBLY MANUAL (NAVAIR 11-140-7) IS CURRENTLY BEING REWRITTEN AND IT WILL BE UPDATED TO REFLECT CHAFF CARTRIDGE VISUAL INSPECTION PROCEDURES. ADDITIONALLY, AN ENGINEERING CHANGE NOTICE HAS BEEN ISSUED THAT INCORPORATES AN IMPROVED END CAP ON RR-129 AND RR-144/NW33 COUNTERMEASURES THAT WILL ELIMINATE THE FUEL CONTAMINATION PROBLEM.
SUBJ: POTENTIAL HAZARD FOR METHANOL FUEL LEAK (1320-5W59)
REF NAVSURFWARCEN CRANE IN 271750Z MAR 96.
REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL USING OR RESPONSIBLE FOR INSPECTING SUBJECT ITEM.
DAMAGE TO THE 5W59 ROUND CAN RESULT IN A METHANOL (FLAMMABLE MATERIAL) FUEL LEAK WITH THE POTENTIAL OF AN ASSOCIATED ALCOHOL FIRE HAZARD. UTILIZE EXTRA CARE IN HANDLING. NOTE: UNITS WEIGHING LESS THAN 47 LBS ARE TO BE CONSIDERED AS LEAKERS. RECOMMEND LOCAL RECLASSIFICATION OF LEAKING ROUNDS TO COND CODE HOTEL, REPACK IN SHIPPING CONTAINERS AND OFF LOAD AT EARLIEST CONVENIENCE. TECHNICAL INSPECTION SUPPORT TEAM AND INFORMATION AVAILABLE UPON REQUEST FROM NAVSURFWARCENDIV CRANE IN, CODE 4024, DSN 482-5653, COMM 812-854-5653.
REPORT DEFECTS BY ROUND SERIAL NUMBER TO NAVSURFWARCENDIV CRANE IN, CODE 4024.

AMMO INFO NOTICE 013-1996: SUBJ: DEFECTIVE CRIMPING (1377-M193)
REF NAVSURFWARCEN INDIAN HEAD MD 231438Z APR 96.
SOME ASSETS MAY HAVE A DEFECTIVE CRIMPING FEATURE. THE DEFECT CONSISTS OF THE INSULATOR SPINNING WHEN THE LOCKNUT IS TORQUED IN EXCESS OF SPECIFICATIONS. THIS IS A READILY APPARENT DEFECT AND WHEN OBSERVED THE ASSET SHOULD BE PLACED IN COND CODE HOTEL FOR DEMIL.

AMMO INFO NOTICE 014-1996: SUBJ: SERVICE LIFE EXTENSION FOR AN-SSQ-36 (6655-8W59)
REF NAVSURFWARCEN CRANE MEMO DTD 26 APR 96.

REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL USING OR RESPONSIBLE FOR INSPECTION OR MAINTENANCE OF SUBJ ITEM.

SERVICE LIFE HAS BEEN EXTENDED TO NINE YEARS FROM DATE OF MANUFACTURE.

SONOBUOYS SHOULD BE RECLASSIFIED TO THE APPROPRIATE MATERIAL CONDITION CODES IAW SPCC INST 8010.12D, NAVSUP PUB 537, AND DLAR 4155.37.

NO OPERATIONAL LIMITS ON USAGE, HOWEVER DECREASE IN RELIABILITY MAY BE OBSERVED.

AMMO INFO NOTICE 015-1996:

SUBJ: MISMARKED RELEASE, PARACHUTE PCU-48-B (1377-4W69)
REF NAVSURFWARCEN INDIAN HEAD 080900Z MAY 96.

REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL USING SUBJ ITEM.

BE ADVISED THE FOLLOWING LOTS OF 4W69/1377-01-264-1903 HAVE BEEN INCORRECTLY ELECTRO ETCHED WITH THE WRONG NSN DIRECTLY

ON THE UNIT. THEY ARE ETCHED WITH 1377-01-269-1903 (THE NUMBER NINE IN THE NINTH POSITION VICE A FOUR). THE WOODEN BOX AND THE ENVIROMENTALLY SEALED BAG THAT THEY ARE PACKAGED IN IS MARKED CORRECTLY.

THE FOLLOWING LOTS APPLY:

CAX95J002-001

CAX95K002-002

CAX95L002-003

AMMO INFO NOTICE 018-1996:

LOTS SHOULD BE CONSIDERED SUITABLE FOR ISSUE AND USE.

SUBJ: INCORRECT STENCILING ON OUTER CONTAINER (1377-XW77)

REF INDIAN HEAD MD 151842Z JUL 96.

BE ADVISED THAT LOT NUMBER MSV88F004-004, NSN 1377-01-135-6849 WAS INCORRECTLY STENCILED BY THE MANUFACTURER. THE OUTER CONTAINER SHOULD READ 1 EA PER CAN VICE 2 EA PER CAN. SEALED CONTAINERS FOR LOT MSV88F004-004 CORRECTLY CONTAIN 1 EA PER CAN.

AMMO INFO NOTICE 019-1996:

SUBJ: SAFETY PRECAUTIONS DURING HANDLING AND USE OF ALN ATV96F001-001, MK 186 MOD 2 TORCH (1320-5W59)

REF NAVSURFWARCEN CRANE 252213Z JUL 96.

REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL USING OR RESPONSIBLE FOR INSPECTING SUBJECT ITEM.

THIS AIN APPLIES TO ALN ATV96F001-001 ONLY.

THE MOD 2 TORCH IS A 0.9 LB EXPLOSIVE WT INFRARED (IR) DECOY ROUND CONTAINING A HAZARDOUS, HIGHLY LIQUID FLAMMABLE CHEMICAL. DAMAGE TO THE ROUND MAY RESULT IN FUEL LEAKAGE AND FIRE HAZARD. THE FOLLOWING PRECAUTIONS SHOULD BE FOLLOWED IN ORDER TO MINIMIZE THE INHERENT HAZARD.

A. FUEL: THE FUEL HAS NARCOTIC PROPERTIES THAT WILL AFFECT OPTIC NERVES, CAUSE DIZZINESS, POSSIBLE CARDIAC DEPRESSION AND COMA. THE (SKIN) TOXICITY THRESHOLD LIMIT VALUE IS 200 PPM. FOR PERSONAL INHALATION, REMOVE TO FRESH AIR AND ADMINISTER ARTIFICIAL RESPIRATION OXYGEN IF NECESSARY. IN EYES, FLUSH WITH WATER. FOR SKIN/CLOTHING CONTAMINATION, FLUSH WITH WATER, WASH WITH SOAP AND WATER, REMOVE CONTAMINATED

CLOTHING AND SHOWER ASAP. IF INGESTED, CALL FOR MEDICAL ASSISTANCE, GIVE WATER AND INDUCE VOMITING.

B. LEAKING FUEL: REMAIN UP WIND AND AVOID INHALATION OF TOXIC VAPORS. IMMEDIATELY FLUSH/DILUTE ANY LEAKS/SPILLS WITH LARGE QUANTITIES OF WATER. USE PERSONAL PROTECTIVE CLOTHING, SCBH AND CHEMICAL SPLASH GOGGLES FOR CONTINUED WORKING IN THE AREA OF LEAKS/SPILLS. DISPOSE OF DAMAGED/

LEAKING ROUND IMMEDIATELY.

C. FIRE: IF IGNITION OCCURS IN DAMAGED CARTRIDGE/CONTAINERS, AVOID INHALATION OF SMOKE/COMBUSTION PRODUCTS/ODORS. MOVE AS FAR UPWIND AS POSSIBLE SO SMOKE/COMBUSTION PRODUCTS/ODORS ARE NOT INHALED. FIRE FIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND MAY USE ALCOHOL FOAM, DRY CHEMICAL AND/OR CARBON DIOXIDE EXTINGUISHERS TO EXTINGUISH FIRE THEN WATER DRENCH TO CLEAN FUEL RESIDUE. DO NOT KEEP ANY LEAKING OR DAMAGED CARTRIDGES/CONTAINERS ABOARD.

AMMO INFO NOTICE 004-1997:

SUBJ: STABILIZING ROD ASSEMBLY EJECTION HAZARD WITH MK 66 MOD 2 RKT MTR (1340-J147,2W04,2W05)

REF INDIAN HEAD 101346Z MAR 97.

REQUEST DISSEMINATE THIS INFORMATION TO ALL USERS OF SUBJ ITEM.

A STABILIZING ROD ASSEMBLY (SRA) EJECTION AS DEFINED IN MK 66 MOD 2 ROCKET MOTOR SYSTEM SAFETY RISK ASSESSMENT OCCURS

AFTER RKT MTR IGNITION, WHERE THE SRA IS DEFORMED ENOUGH TO ALLOW IT TO BE EJECTED OUT THE NOZZLE OF THE MTR. THE SRA IS A HOLLOW TUBE OF STEEL WEIGHING APPROX 0.2 POUND. THE EJECTED SRA IS .188 INCH IN DIAMETER AND 39 INCHES LONG.

THE MK 66 MOD 2 ROCKET MOTOR SYSTEM SAFETY RISK ASSESSMENT CATEGORIZES THE HIGHEST RISK ASSOCIATED WITH THE MK 66 MOD 2 RKT MTR STABILIZING ROD ASSEMBLY EJECTION AS I-D (CATASTROPHIC-REMOTE) FOR AH-1W, UH-1N AND AV-8B ACFT AND I-E (CATASTROPHIC-IMPROBABLE) FOR F/A-18 ACFT. THESE CAT OF RISK ARE ASSOCIATED WITH ALL NALC J147/2W04/2W05 RKT MTRS.

THE SPECIFIC ACFT HAZARD ASSOCIATED WITH A MK 66 MOD 2 RKT MTR SRA EJECTION IS THE SRA MAY IMPACT THE ACFT WITH POTENTIAL TO PENETRATE THE WINDSHIELD OR ENTER THE ENGINE OF THE ACFT. THIS CAN RESULT IN SERIOUS INJURY OR DEATH TO THE AIRCREW AND/OR SERIOUS DAMAGE TO THE LAUNCH PLATFORM. IT IS RECOMMENDED THAT DURING TRAINING EXERCISES THAT NO ACFT FLY DIRECTLY BEHIND AN ACFT WHICH IS FIRING MK 66 MOD 2 NALC J147/2W04/2W05 RKT MTRS.

ALL MK 66 MOD 2 NALC HA03 RKT MTRS HAVE INCORPORATED A ROD SUPPORT DISC WHICH PREVENTS SRA EJECTIONS.

THE COGNIZANT FIELD ACTIVITY (CFA) FOR THE 2.75 RKT SYS STRONGLY RECOMMENDS THAT ALL RKT MTR DISCREPANCIES INCLUDING SRA

EJECTIONS CONTINUE TO BE REPORTED USING THE CONVENTIONAL ORDNANCE

DISCREPANCY REPORTING SYSTEM IAW OPNAVINST 8600.2.

PLAD ADDRESS FOR 2.75/5-INCH RKT SYS CFA IS NAVSURFWARCENDIV INDIAN HEAD MD CODE 570.

AMMO INFO NOTICE 005-1997:

SUBJ: POSSIBLE HAZARD OF EARLY MTR BLOW WITH MK 66 MOD 2 RKT MTR (1340-J147,2W04,2W05)

REF INDIAN HEAD 101046Z MAR 97.

REQUEST DISSEMINATE THIS INFORMATION TO ALL USERS OF SUBJ ITEM.

AN EARLY MTR BLOW AS DEFINED IN MK 66 MOD 2 ROCKET MOTOR SYSTEM SAFETY RISK ASSESSMENT OCCURS WITHIN 0.5 SEC AFTER RKT MTR IGNITION.

THE ROCKET MOTOR SYSTEM SAFETY RISK ASSESSMENT CATEGORIZES THE HIGHEST RISK ASSOCIATED WITH THE MK 66 MOD 2 RKT MTR EARLY MTR BLOW AS I-C (CATASTROPHIC-OCCASIONAL). THIS RISK IS ASSOCIATED ONLY WITH MK 66 MOD 2 NALC J147/2W04/2W05 RKT MTRS LOADED WITH PROPELLANT GRAINS PRODUCED AT RADFORD ARMY AMMUNITION

PLANT (RAAP) AND THOSE RKT MTRS LOADED WITH PROPELLANT GRAINS

PRODUCED AT IHDIVNAVSURFWARCEN WHICH HAVE PREVIOUSLY EXPERIENCED AN EARLY MTR BLOW. ALL RKT MTRS IN THIS RISK CAT HAVE BEEN RECLASSIFIED TO COND CODE NOVEMBER SUSPENDED EMERGENCY COMBAT USE ONLY.

THE SPECIFIC ACFT HAZARD ASSOCIATED WITH THE MK 66 MOD 2 RKT MTR EARLY MTR BLOW INVOLVES THE MTR TUBE RUPTURING CLOSE TO THE ACFT, WHICH CAN CAUSE DEBRIS TO PENETRATE THE WINDSHIELD OR SKIN OF THE ACFT. THIS CAN RESULT IN SERIOUS INJURY OR DEATH TO THE AIRCREW AND/OR SERIOUS DAMAGE TO THE LAUNCH PLATFORM.

ALL MK 66 MOD 2 NALC HA03 RKT MTR PROPELLANT GRAINS HAVE BEEN 100 PERCENT INSPECTED TO PRECLUDE ANY MTR BLOWS.

THE COGNIZANT FIELD ACTIVITY (CFA) FOR THE 2.75 RKT SYS STRONGLY RECOMMENDS THAT ALL RKT MTR DISCREPANCIES (INCLUDING RKT MTR BLOWS) CONTINUE TO BE REPORTED USING THE CONVENTIONAL ORDNANCE DISCREPANCY REPORTING SYSTEM IAW OPNAVINST 8600.2.

PLAD ADDRESS FOR 2.75/5-INCH RKT SYS CFA IS NAVSURFWARCENDIV INDIAN HEAD MD CODE 570.

AMMO INFO NOTICE 007-1997:

SUBJ: POTENTIAL PROBLEM WITH PENGUIN WING AND CANARDS (1420-BWAU)

REF NAVAIRWARCENWPNDIV PT MUGU 170129Z MAR 97.

REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL USING OR RESPONSIBLE FOR THE INSPECTION OF SUBJ ITEM.

A POTENTIAL PROBLEM EXISTS WITH THE MANUFACTURERS USE OF EXCESSIVE ADHESIVE TO BOND THE WING ROOT GASKET TO THE WING. THIS MAY CAUSE INTERFERENCE WHEN MATING THE WING TO THE MISSILE. THE WINGS CAN BE USED IN AN EMERGENCY, I.E. WARTIME, EVEN IF THIS PROBLEM IS ENCOUNTERED. ACCORDING TO THE PRIME CONTRACTOR, THE GASKET CAN BE REMOVED FROM THE WING ROOT AND THE WING CAN BE MOUNTED WITH NO PERFORMANCE DEGRADATION TO MISSILE FLIGHT. MANUFACTURER AND NAVAIR ENGINEERING REPRESENTATIVES HAVE DEMONSTRATED THAT MISSILE BODY AND WING INTERFERENCE TOLERANCES VARY FROM MISSILE TO MISSILE. IN CASES WHERE THE INITIAL SET OF WINGS DO NOT FIT, THE USER WILL FIND THAT A SECOND SET OF WINGS WILL. ALL ATTEMPTS SHOULD BE MADE TO FIT SPARE WINGS FROM ON HAND INVENTORY.

REMEDY OF THIS PROBLEM BY THE PRIME CONTRACTOR IS IN WORK. THE FIRST STAGE IS TO MODIFY THE WINGS WHICH ARE IN CONUS. UPON COMPLETION OF THAT PHASE, THE MODIFIED WINGS WILL BE ISSUED TO THE FLEET TO REPLACE THE SUSPECT WINGS. THOSE WINGS PRESENTLY IN THE FLEET WILL BE RETURNED TO CONUS FOR THE SECOND PHASE OF MODIFICATION PLAN.

AFTER THE WINGS AND CANARDS HAVE BEEN INSPECTED, THE WINGS WILL BE STENCILED INSPECTED PER NAR 0222-97 AND RETURNED TO COND CODE ALPHA.

AMMO INFO NOTICE 009-1997:

SUBJ: SAFETY OF USE MESSAGE FOR HANDLING AND USE OF THE FOLLOWING ELECTRICAL-LY INITIATED AMMUNITION (1370-L592,L596,L602) AND (1375-M078, M130,M598) AND (1345-K143) AND (1365-K886) AND (1385-M174) AND (1377-M862)

REF MARCORSYSCOM MEMO DTD 28 AUG 97.

REQUEST DISSEMINATE THIS INFORMATION TO ALL ORGANIZATIONS AND PERSONNEL UTILIZING ELECTRICALLY INITIATED AMMUNITION.

THIS AIN OUTLINES GENERAL SAFETY PRECAUTIONS FOR USING AND HANDLING ELECTRICALLY INITIATED AMMUNITION. USERS ARE ADVISED TO CONSULT THE APPROPRIATE TECHNICAL OR FIELD MANUAL FOR SPECIFIC GUIDANCE. THE ABSENCE OF SAFETY REQUIREMENTS IN TM'S OR FM'S DOES NOT NECESSARILY INDICATE THAT NO SAFEGUARDS ARE REQUIRED.

EXPLOSIVE SAFETY REQUIREMENTS AND CRITERIA CONTAINED IN SW060-AA-MMA-010 AND OP-5 SHALL BE FOLLOWED AS A MINIMUM.

ELECTRICALLY INITIATED AMMUNITION ARE SENSITIVE TO INITIATION BY STATIC ELECTRICITY, RADIO FREQUENCY, OR STRAY CURRENTS. A STATIC CHARGE CAN OCCUR WHEN THE AMMUNITION IS BROUGHT IN CONTACT WITH PERSONNEL OR MATERIAL WITH A DIFFERENT CHARGE POTENTIAL. THIS DIFFERENT CHARGE POTENTIAL CAN BE BROUGHT ON BY CLOTHING, BY FRICTION, OR BY RUBBING ACTION. STATIC ELECTRICITY IS ALSO PRODUCED BY DUST STORMS, WHICH HAVE CAUSED A LARGE NUMBER

OF DETONATIONS; SNOW STORMS, LESS DANGEROUS BUT KNOWN TO HAVE CAUSED PREMATURE EXPLOSIONS; AND ESCAPING STEAM, KNOWN TO HAVE CHARGED THE AIR AND DETONATED ELECTRIC CAPS.

RADIO FREQUENCY CAN ALSO DETONATE ELECTRICALLY INITIATED AMMUNITION. IF THE CONFIGURATION OF THE LEAD WIRES OR FIRING WIRES IS CORRECT AND THE TRANSMITTER IS CLOSE, THE WIRES CAN ACT AS AN ANTENNA AND PICK UP ENOUGH CURRENT FOR DETONATION TO OCCUR.

STRAY CURRENT STRONG ENOUGH TO DETONATE ELECTRICALLY INITIATED AMMUNITION CAN ARISE IN A LONG UNBROKEN METAL OBJECT SUCH AS A RAIL, PIPE, CULVERT OR FENCE, OR IN GROUND LOCATED OVER A HIGHLY METALLIC ROCK FORMATION. STRAY CURRENTS APPEAR AND

DISAPPEAR UNPREDICTABLY. STRAY CURRENTS ALSO CAN ARISE IN ANY ELECTRIC WIRE, CABLE, OR TRANSMISSION LINE, EVEN WHEN IT IS NOT DIRECTLY CONNECTED TO A SOURCE OF ELECTRIC POWER.

WHEN HANDLING ELECTRICALLY INITIATED AMMUNITION, ENSURE THAT THE LEAD WIRES ARE TWISTED OR SHORTED TO CREATE A SHUNT. THIS PROVIDES SAFE HANDLING AND STOWAGE AGAINST MAGNETIC OR STATIC ELECTRIC FIELDS ENCOUNTERED ON LAND OR ABOARD SHIP. KEEP BOTH ENDS OF THE LEADS SHUNTED AT ALL TIMES EXCEPT WHEN TESTING OR CONNECTING THE CIRCUIT TO THE FIRING DEVICE. DO NOT TOUCH OR HANDLE THE BARE LEAD WIRES WHILE HOLDING THE BODY OF THE DEVICE. DO NOT TOUCH UNSHUNTED LEAD WIRES TO CONDUCTIVE SURFACES SUCH AS

VEHICLE FRAMES, METAL SURFACES, ETC. UNSHUNTED LEAD WIRE SHOULD ONLY BE CONNECTED TO APPROVED FIRING DEVICES AS SPECIFIED IN APPROPRIATE TM OR FM FOR THAT ITEM.

WHEN EXTENDING THE LEAD WIRES ENSURE THAT LEADS ARE NOT SEVERED OR SEPARATED FROM THE AMMUNITION. DO NOT PULL ON THE WIRES. DURING HOOKUP TO THE ELECTRICAL FIRING SOURCE, SET UP THE DEVICE SUCH THAT THERE IS NO STRAIN ON THE LEAD WIRES THAT MIGHT CAUSE IT TO GET PULLED OUT.

PRIOR TO CONNECTING TO AN ELECTRICAL FIRING SOURCE, R-F LEVELS IN THE AREA MUST NOT EXCEED THOSE ALLOWED FOR UNSAFE ORDNANCE. DO NOT USE IN THE VICINITY OF RADIO TRANSMITTERS OR HIGH VOLTAGE TRANSMISSION LINES.

DO NOT HAVE ELECTRIC WIRES OR CABLES NEAR ELECTRICALLY INITIATED AMMUNITION AT ANY TIME EXCEPT FOR THE PURPOSE OF INITIATING THE DEVICE.

LIGHTNING. IF LIGHTNING STRIKES AN ELECTRIC FIRING CIRCUIT OR EXPLOSIVE COMPONENT, A DETONATION WILL RESULT, NO MATTER WHAT

PRECAUTIONS ARE TAKEN. A DETONATION PROBABLY WILL RESULT EVEN FROM A NEAR MISS. ELECTRICAL CHARGES LARGE ENOUGH TO DETONATE BLASTING CAPS HAVE BEEN INDUCED IN FIRING CIRCUITS BY LIGHTNING SEVERAL MILES AWAY. THIS DANGER IS GREATER IF THERE IS A CONDUCTOR, SUCH AS A TRANSMISSION LINE, FENCE OR STREAM, BETWEEN

THE STORM AND THE DEMOLITION SITE. DO NOT CONDUCT BLASTING OR DEMOLITION OPERATIONS DURING AN ELECTRICAL, DUST, SAND, OR SHOW STORM OF A SEVERITY GREAT ENOUGH TO PRODUCE STATIC ELECTRICAL CHARGES IN THE ATMOSPHERE, OR WHEN SUCH A STORM IS NEARBY (APPROXIMATELY 5 MILES).

ELECTRICALLY INITIATED AMMUNITION WILL NOT BE RETURNED FOR STORAGE WITHOUT SAFETY SHUNTS OR WITHOUT THEIR LEG WIRES SHORTED. THE AMMUNITION WILL BE REPACKED IN ITS ORIGINAL CONFIGURATION PRIOR TO TURNING BACK TO THE STORAGE ACTIVITY. BROKEN LEAD WIRES, IF POSSIBLE, WILL BE STRIPPED SO THAT IT CAN BE SHUNTED. WHEN A LEAD WIRE CANNOT BE STRIPPED FOR SHUNTING, EOD WILL BE NOTIFIED FOR DISPOSAL OF THE AMMUNITION.

AMMO INFO NOTICE 002-1998:

SUBJ: IMPROPERLY MARKED CARTRIDGE ACTUATED INITIATOR (1377-M597)

REF NAVSURFWARCENDIV INDIAN HEAD MD 201238Z OCT 97.

THIS AIN SUPERSEDES NOC IMSD AIN 001-98 (241935Z OCT 97).

THE JAU-14/A CARTRIDGE ACTUATED INITIATOR (M597) HAS BEEN IMPROPERLY MARKED ON THE INNER CONTAINER. THE INNER CONTAINER WAS ERRONEOUSLY MARKED WITH THE LOT NR WMM92M001-001 VERSUS THE PROPER LOT NR WWM92M001-001. THE OUTER CONTAINER AND THE ACTUAL INITIATOR ARE MARKED CORRECTLY WITH LOT NR WWM92M001-001. THE DISCREPANCY IS ISOLATED TO LOT WWM92M001-001 ONLY. NO OTHER LOT NUMBERS ARE AFFECTED. RECOMMEND THAT ALL INVENTORY POINTS ENSURE THAT CORRECT LOT NR OF WWM92M001-001 IS USED ON ALL SHIPPING/TRANSACTION DOCUMENTS AND FOR ENTRY INTO ALL INVENTORY TRACKING SYSTEMS.

AMMO INFO NOTICE 003-1998:

SUBJ: RADIOGRAPHIC SCREENING OF 40MM, M430, HEDP, LINKED AMMUNITION (1310-B542)

REF MARCORSYSCOM MEMO DTD 5 NOV 97.

THIS AIN APPLIES TO U. S. MARINE CORPS STOCK ONLY.

AS A RESULT OF SEVERAL MALFUNCTIONS WITH INJURIES WHEN UTILIZING THE SUBJECT AMMUNITION IN THE MK19 MOD3 MACHINE GUN, NAR 0420-95 RESTRICTED ALL MARINE CORPS STOCKS TO EMERGENCY

COMBAT USE ONLY. ALL SERVICES CEASED TRAINING WITH THE SUBJECT AMMUNITION AND A TRI-SERVICE INVESTIGATION TEAM (BLUE TEAM) WAS FORMED TO DETERMINE THE ROOT CAUSE OF THE MALFUNCTIONS.

BASED ON THE RESULTS OF THE BLUE TEAM INVESTIGATION ALL STOCKS OF B542 REQUIRE RADIOGRAPHIC SCREENING FOR LOW PROPELLANT LOADS, MISSING CLOSURE CUPS, DOUBLE CLOSURE CUPS AND FOREIGN OBJECTS IN THE PROPELLANT PRIOR TO BEING USED FOR TRAINING. CURRENTLY THIS SCREENING PROCESS IS IN PROGRESS AT VARIOUS SITES. TO ENSURE ONLY ASSETS THAT HAVE PASSED THIS RADIOGRAPHIC SCREENING ARE UTILIZED IN TRAINING IT IS IMPERATIVE THE AMMUNITION LOT DATA CARD BE REVIEWED TO VERIFY THE LOT WAS RADIOGRAPHICALLY SCREENED AFTER 15 AUGUST 96. B542 LOTS THAT HAVE NOT BEEN SCREENED OR WERE SCREENED PRIOR TO 15 AUG 96 WILL REMAIN IN CONDITION CODE NOVEMBER IAW NAR 0033-98.

RADIOGRAPHIC SCREENING IS INCLUDED IN THE MANUFACTURING PROCESS ON ALL NEW PRODUCTION ROUNDS PRODUCED AFTER AND INCLUDING LOT NUMBER MA-97D061A001 NAR 0477-97 APPLIES.

AMMUNITION SUPPLY POINTS WILL PROVIDE A COPY OF THE AMMUNITION DATA CARD TO USING UNITS ALONG WITH A COPY OF THIS AIN WITH EACH ISSUE OF B542. USING UNITS WILL CONFIRM THAT ASSETS HAVE BEEN SCREENED PRIOR TO DELIVERY TO RANGE AND MAINTAIN LOT IDENTIFICATION ON ALL ROUNDS NOT FIRED AND RETURNED TO THE ASP.

AMMUNITION SUPPLY POINTS THAT RECEIVE SHIPMENTS OF SCREENED B542 AMMUNITION AND DO NOT RECEIVE A COPY OF THE AMMUNITION DATA CARD MUST SUBMIT A REPORT OF DISCREPANCY IAW CURRENT ORDERS, AND REQUEST A COPY FROM ANY OF THE FOLLOWING SOURCES:

MARCORSYSCOM (PMAM-QA) DSN 426-1164
CDRIOC ROCK ISLAND IL DSN 793-6448

AMMO INFO NOTICE 007-1998:

SUBJ: USE OF SHORT CIRCUIT CAP ON SIMULATOR, FLASH, ARTILLERY, M21 (1370-L602,L709,L720)

REF CDRIOC ROCK ISLAND IL 091442Z JAN 98.

A COPY OF THIS AIN TO BE PROVIDED TO ALL UNITS USING THE SIMULATOR, FLASH, ARTILLERY, M21.

RECENT ENGINEERING STUDIES COMPLETED BY ARDEC HAVE RESULTED IN A DESIGN IMPROVEMENT ALLOWING THE M21 ARTILLERY FLASH SIMULATOR TO FULLY MEET PERSONNEL-BORNE ELECTROSTATIC DISCHARGE REQUIREMENTS ESTABLISHED BY MIL-STD-331B. SUCH DESIGN IMPROVEMENT, NAMELY, DEVELOPMENT OF A CONDUCTIVE COPPER QUICKMATCH COATING, HAS BEEN RECENTLY INTRODUCED TO PRODUCTION.

ADDITIONALLY, THESE STUDIES HAVE IDENTIFIED THE PREVIOUSLY USED SHORT CIRCUIT CAP AS INEFFECTIVE IN IMPROVING THE SAFETY OF THE M21 ARTILLERY FLASH SIMULATOR. THUS, THE SHORT CIRCUIT CAP HAS BEEN ELIMINATED FROM PRODUCTION.

THE SHORT CIRCUIT CAP, WHICH IS A PART OF THOUSANDS OF PREVIOUSLY FIELDIED M21 SIMULATORS IS OF NO SAFETY VALUE. USING OR NOT USING THE SHORT CIRCUIT CAP HAS NO SAFETY CONSEQUENCES (ALL PRODUCTION). DISREGARD ALL REFERENCES TO THE SHORT CIRCUIT CAP IN THE FIRING INSTRUCTION SHEET AND/OR LABEL. AIN 009-97 OUTLINES GENERAL SAFETY PRECAUTIONS FOR HANDLING AND USE OF ELECTRICALLY INITIATED AMMUNITION.

THIS GUIDANCE WILL ALSO APPLY TO THE M25 TARGET HIT SIMULATOR (L709) AND TO THE M26 TARGET KILL SIMULATOR (L720). HOWEVER, SINCE THIS IS A RECENT DESIGN CHANGE, THE SHORTING CAP MAY OR MAY NOT BE IN TODAY'S PRODUCTION FOR THE M25 AND M26 SIMULATORS. FUTURE PRODUCTION OF THE M25 AND M26 SIMULATORS WILL NOT HAVE THE SHORTING CAP.

FURTHER HANDLING GUIDANCE CAN BE FOUND IN TB 9-6920-785-14. ALL INSTRUCTIONS APPLY, WITH EXCEPTION TO REFERENCES TO SHORT CIRCUIT CAP.

AMMO INFO NOTICE 010-1998:

SUBJ: INCORRECT STENCILING ON INNER AND OUTER CONTAINERS (1377-XW77)

REF NAVSURFWARCEN INDIAN HEAD 041844Z MAY 98.

THE ATU-96/A MECHANICAL ACTUATOR (XW77) HAS BEEN INCORRECTLY STENCILED ON BOTH THE INNER AND OUTER CONTAINERS. BE ADVISED THAT LOT NUMBER MSV96B008-001, NSN 1377-01-135-6849, WAS INCORRECTLY STENCILED BY THE MANUFACTURER. THE INNER CONTAINER SHOULD READ 1 EA PER CAN VICE 2 EA PER CAN. OUTER CONTAINER IS STENCILED INCORRECTLY DUE TO INNER CONTAINER ERROR CITED ABOVE. OUTER CONTAINER SHOULD ONLY IDENTIFY TOTAL NUMBER OF INNER CONTAINERS TIMES ONE VICE TWO. RECOMMEND INVENTORY POINTS RE-STENCIL CANS THAT CONTAIN LOT MSV96B008-001 AND ENSURE PROPER QTY ENTRY INTO INVENTORY TRACKING SYSTEMS.

AMMO INFO NOTICE 013-1998:

SUBJ: HAND INTEGRITY TEST FOR MK 84 MOD 2 ROCKET MOTORS (1377-MF57)

REF NAVSURFWARCENDIV INDIAN HEAD 131638Z MAY 98.

THIS AIN APPLIES TO SHIP BOARD AND FORWARD STOCK POINTS (NAS SIGONELLA IT, MCAS IWAKUNI JA, NAF ATSUGI JA)

A HAND INTEGRITY TEST IS TO BE PERFORMED ON ALL COND

CODE FOXTROT ASSETS BEING HELD FOR EMERGENCY USE UNTIL COMPLETION OF DEPLOYMENT OR RECEIPT OF REPLACEMENT ASSETS. PERFORM HAND INTEGRITY TEST AS FOLLOWS:

- (1) VERIFY SAFETY PIN IS INSTALLED IN ROCKET MOTOR SEAR.
- (2) THIS INSPECTION OF THE MK 84 MOD 2 ROCKET MOTOR WILL VERIFY THAT THE TWO OPPOSING MOTOR TUBES DO NOT ROTATE RELATIVE TO THEIR MOUNTING SURFACES IN THE NOZZLE HOUSING. (PER AIRCREW ESCAPE PROPULSION SYSTEMS (AEPS) DEVICES PUBLICATION NAVAIR11-85-1 WITH IRAC 70 DATED 20 FEB 98 WORK PACKAGE 15, PAGE 3 FIG 1.)
- (3) INSPECT EACH MOTOR TUBE SEPARATELY. WITH ONE HAND GRASP THE CYLINDRICAL MOTOR CASE, WITH THE OTHER HAND GRASP THE NOZZLE HOUSING AND PLACE THUMB AT THE BASE OF THE IGNITER CARTRIDGE OR BASE OF NOZZLE. HOLDING THE NOZZLE HOUSING FROM TURNING, APPLY MODERATE FORCE COUNTER-CLOCKWISE TO THE MOTOR TUBE. REVERSE HAND POSITIONS AND INSPECT THE OPPOSITE MOTOR TUBE.
- (4) DURING INSPECTION DO NOT ATTEMPT TO TURN THE MOTOR TUBE MORE THAN ONE QUARTER TURN.
- (5) IF EITHER MOTOR TUBE TURNS RELATIVE TO THEIR MOUNTING SURFACES (IS LOOSE) RETIGHTEN BY HAND AND REJECT THE ROCKET MOTOR. ISSUE CONVENTIONAL ORDNANCE DEFICIENCY REPORT (CODR) FOR DEFECTIVE UNIT IAW AIRCREW ESCAPE PROPULSION SYSTEMS (AEPS) DEVICES PUBLICATION NAVAIR11-85-1 WITH IRAC 70 DATED 20 FEB 98. ORDER A REPLACEMENT ROCKET MOTOR IAW AIRCREW ESCAPE PROPULSION SYSTEMS (AEPS) DEVICES PUBLICATION NAVAIR11-85-1 WITH IRAC 70 DATED 20 FEB 98.
- (6) IF UNIT INTEGRITY IS ACCEPTABLE HOLD ROCKET MOTOR AS AN EMERGENCY REPLACEMENT ONLY.

AMMO INFO NOTICE 014-1998:

SUBJ: MARITIME PREPOSITIONING FORCE
REF CDRIOC ROCK ISLAND IL 031157Z MAR 98.
THIS AIN SUPERSEDES NOC IMSD AIN 012-96 (251935Z APR 96).
THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.
THIS AIN APPLIES TO NAVY AND MARINE CORPS AMMUNITION STORAGE ACTIVITIES.

REQUEST DISSEMINATE THIS INFORMATION TO ALL PERSONNEL INVOLVED IN PROVIDING CLASS V(W) AMMUNITION SUPPORT FOR THE MARINE CORPS MARITIME PREPOSITIONED FORCE (MPF).

GENERAL REQUIREMENTS:

- (A) AMMO SUPPLIED FOR THE MPF IS INTENDED FOR LONG TERM STORAGE ABOARD SHIP AND FOR RAPID DEPLOYMENT IN A COMBAT SITUATION. EVERY EFFORT MUST BE GIVEN TO ASSURE THAT LOTS SELECTED TO FILL REQUISITIONS FOR THE MPF, DESIGNATED WITH PROJECT CODES MEA, MEB OR MEC, WILL WITHSTAND SHIPBOARD ENVIRONMENT WITH MINIMUM MAINTENANCE FOR AN EXTENDED PERIOD. ONLY THE BEST AVAILABLE ASSETS ARE TO BE LOADED ON MPF.
- (B) MAINTENANCE FUNCTIONS, INCLUDING REMOVAL AND REPLACEMENT OF SUSPENDED STOCKS, MINOR P AND P, STOCK ROTATION, INVENTORY ACTIONS, AND SAMPLE SELECTION FOR INSPECTION AND TEST, ARE NORMALLY ACCOMPLISHED DURING THE MARITIME PREPOSITIONING SHIPS MAINTENANCE CYCLES. THE SURVEILLANCE PROGRAM FOR THESE STOCKS IS DESIGNED TO

ADEQUATELY DESCRIBE CURRENT CONDITION OF AMMO AND PROVIDE A BASIS FOR DECISIONS CONCERNING STOCK ROTATION AND STORAGE OF AMMO ON BOARD MPF PREPARATION FOR SHIPMENT:

- (A) ANY SUPPLY/TRANSPORTATION ACTION THAT FRUSTRATES OR COMPLICATES INVENTORY, CONTRIBUTES TO DELAYS IN SHIPPING OR DIFFICULTY OF HANDLING, OR INCREASES BATTLEFIELD LITTER DURING DEPLOYMENT (SUCH AS IMPROPER, DAMAGED OR DEFECTIVE PACKAGING, LIGHT BOXES, OR MULTIPLE LOTS WITHIN THE SAME BOX/CONTAINERS), SHALL BE AVOIDED.
- (B) THE SUPPLY SOURCE AND ALL TRANS-SHIPMENT ACTIVITIES MUST MAINTAIN LOT INTEGRITY. TO THE MAXIMUM EXTENT POSSIBLE, AN ENTIRE LOT MUST BE LOADED IN THE SAME CONVEYANCE(S). QUANTITIES OF THE SAME LOT THAT CAN BE CONTAINED IN A CONVEYANCE MUST NOT BE SHIPPED IN SEVERAL RAILCARS OR TRUCKS. WHEN MULTIPLE LOTS WITHIN A CONVEYANCE ARE NECESSARY, EACH LOT WILL BE SEGREGATED.
- (C) AMMUNITION STORAGE/SHIPPING INSTALLATIONS ARE REMINDED TO USE ALL FEASIBLE PROCEDURES TO PREVENT MOISTURE CONTAMINATION OF AMMUNITION, BOXES, PALLETS, AND DUNNAGE. EXPERIENCE HAS PROVEN THAT WET MATERIAL SIGNIFICANTLY ACCELERATES THE DETERIORATION OF AMMUNITION AND ITS PACKAGING. PRUDENT JUDGEMENT MUST BE EXERCISED TO DETERMINE THE BEST METHOD OF COMPLIANCE WITH THIS GUIDANCE.

LOT SELECTION:

- (A) STORAGE ACTIVITIES FILLING REQUISITIONS WITHOUT LOT NUMBER OR SERIAL NUMBER EXCEPTION DATA WILL USE THE MOST RECENT VERSION OF THE MARINE CORPS PROGRAMS DIRECTORATES (MCPD) MPF/LFORM PREFERENCE LISTING OR THE MARINE CORPS AMMUNITION PREFERRED CONFIGURATION HANDBOOK TO SELECT ONLY PREFERRED ASSETS.
- (B) FOR ALL 155MM PROJECTILES, STORAGE ACTIVITIES SHALL SHIP A MINIMUM NUMBER OF LOTS, NOT TO EXCEED FIVE LOTS PER SHIPMENT. FOR ALL OTHER ITEMS, UNLESS OTHERWISE DIRECTED, STORAGE ACTIVITIES SHALL FILL EACH REQUISITION FROM A SINGLE PREFERRED LOT WHERE POSSIBLE. IF NO SINGLE LOT IN THE QUANTITY REQUESTED IS AVAILABLE THEN THE MINIMUM NECESSARY MULTIPLE PREFERRED LOTS MAY BE SUBSTITUTED.
- (C) FOR MUNITIONS WITH VISIBLE HUMIDITY INDICATORS, NO ASSETS WITH GREATER THAN 30 PERCENT HUMIDITY WILL BE USED FOR MPF. ALL HUMIDITY INDICATORS WILL BE CHECKED BY THE SHIPPING ACTIVITY BEFORE SHIPPING AND BY WSF CHARLESTON BEFORE CONTAINERIZATION.

PALLETIZATION:

- (A) BLACK UNITIZATION BANDING IS NOT SUITABLE FOR PALLETIZED UNITS ON MPF SHIPS. GALVANIZED HEAVY DUTY ZINC COATED STRAPPING (ASTM-D3953, GRADE 2) MUST BE USED. SIZE OF STRAPPING MUST BE AS SPECIFIED IN APPLICABLE DRAWINGS.
- (B) FOR AMMUNITION THAT USES STANDARD PALLETS,

NON 4-WAY ENTRY SKID BASE UNITS MUST BE REPLACED WITH 4-WAY ENTRY PALLETS MEETING THE REQUIREMENTS OF MIL-STD-1322. WOODEN PALLETS WILL BE CONSTRUCTED FROM ANY OF THE GROUP IV HARDWOODS LISTED IN MIL-STD-731 PARAGRAPH 4.1.

- (C) 155MM PROJECTILES MUST BE ASSEMBLED IN BUNDLES OF THREE (AMC DWG 1948-4076-20PE1001). THIS SIGNIFICANTLY DECREASES LOADING/UNLOADING TIME AT PORTS AND ELSEWHERE. PLEASE TAKE NOTE OF CORRECTION TO THE DRAWING: 2 GALVANIZED, 1 1/4 IN BUNDLING STRAPS SHOULD PASS INBOARD OF END EYEBOLT LIFTING PLUGS IN LIEU OF OUTBOARD OF LIFTING PLUGS.

CONTAINERIZATION:

- (A) ISO CONTAINERS/MIL-VANS USED FOR MPF WILL BE INSPECTED IN ACCORDANCE TO THE PROVISIONS OF MIL-HDBK-138A. CONTAINERS NOT MEETING THIS STANDARD WILL BE REPAIRED OR REPLACED PRIOR TO ANY SHIPMENT. FEDERAL LAW AND INTERNATIONAL STANDARDS REQUIRE THAT ALL CONTAINERS MEET THESE CRITERIA.
- (B) AMMUNITION WILL BE BLOCKED AND BRACED IN ISO CONTAINERS/MILVANS AS SPECIFIED IN MIL-STD-1386. ASSURE ALL LOADS ARE TIGHT SIDE TO SIDE AND THE LOAD WEIGHT IS DISTRIBUTED AS EVENLY AS POSSIBLE THROUGHOUT THE CONTAINER.
- (C) ISO CONTAINERS/MILVANS CONTAINING AMMUNITION FOR THE MPF WILL BE PACKED AND CERTIFIED AS REQUIRED BY THE CURRENT, APPLICABLE SECTIONS OF THE INTERNATIONAL MARITIME ORGANIZATION (IMO) INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG) CODE, PLUS TITLE 49 OF THE CODE OF FEDERAL REGULATIONS (CFR).

DOCUMENTATION:

- (A) DEPOT SURVEILLANCE RECORD (DSR) CARDS AND AMMUNITION DATA CARDS (ADC) FOR ALL MPF MATERIAL WILL BE SENT TO: DIRECTOR (FM22), NAVAL WARFARE ASSESSMENT DIVISION DETACHMENT, 700 AMMUNITION ROAD, FALLBROOK CA 92028-3187, FAX 619-731-3537. ENVELOPES, PACKAGES OR COVER SHEETS ARE TO BE MARKED -FOR MPF-. MCPD IS RESPONSIBLE FOR ENSURING THAT ADC AND DSR CARDS ARE FORWARDED TO WSF CHARLESTON.
- (B) STORAGE ACTIVITIES SHALL FORWARD REPSHIP DATA, INCLUDING WEIGHT, DIMENSIONS, AND NUMBER OF PALLETS OF EACH DODIC/LOT FOR ALL SHIPMENTS, TO MARINE CORPS LIAISON OFFICER CODE 20C1 WSF CHARLESTON, 2316 REDBANK ROAD STE 100, GOOSE CREEK, SC 29445-8601, FAX 803-764-7279. THIS INFO IS REQUIRED FOR FINAL STOW PLANNING AND TO FACILITATE AND EXPEDITE UPLOADING OF SHIPS.

PRIOR TO BEING RELEASED, ALL PALLETS/SHIPMENTS FOR MPF MUST BE INSPECTED BY THE STORAGE ACTIVITIES QUALITY ASSURANCE PERSONNEL FOR COMPLIANCE WITH THIS AIN.

IF A STORAGE ACTIVITY CANNOT FULFILL ANY ASPECT OF THIS AIN, CONTACT THE REQUISITIONING AUTHORITY FOR FURTHER INSTRUCTIONS.

POINTS OF CONTACT:

- (A) MCLNO-LMA: USMC LIAISON OFFICE, MCLNO-LMA,

DSN 793-5549/4908. COMM 309-782-5549/4808,
FAX 309-782-4686.

(B) MCPD: MPF CLASS V(W) COORDINATOR,
DSN 873-3599/3749, COMM 619-731-3599/3749,
FAX 619-731-3537.

(C) MARCORSYSCOM: AM-QA,
DSN 426-1163, COMM 703-696-1163,
FAX 703-696-1171.

(D) WSF CHARLESTON: USMC LIAISON OFFICE,
DSN 794-4004, COMM 803-764-4004,
FAX 803-764-7279.

AMMO INFO NOTICE 016-1998:

SUBJ: SAFETY OF USE MESSAGE OPERATIONAL PROHIBITION OF STOWING
120MM TRAINER CTGS M831A1 TP-T AND M865 TPCSDS-T IN HULL AMMUNITION
COMPARTMENT DURING TANK GUNNERY TRAINING (1315-C784,C785)
REF CDRIOC ROCK ISLAND IL 011218Z JAN 98.

A COPY OF THIS AIN WILL BE PROVIDED TO ALL ORGANIZATIONS
AND PERSONNEL INVOLVED IN THE FIRING OF SUBJECT 120MM TANK
CARTRIDGES IN TRAINING.

THE M831A1 AND M865, ALL NSNS, INCLUDING M865PIP
(1315-01-288-5545) CARTRIDGES SHOULD NOT BE STOWED IN
THE M1A1/M1A2 ABRAMS HULL AMMUNITION COMPARTMENT DURING TANK
GUNNERY TRAINING. DEATH, SERIOUS INJURY, OR DAMAGE TO EQUIPMENT
WILL OCCUR IF ACTIONS SPECIFIED IN THIS MESSAGE ARE NOT
IMPLEMENTED. THIS IS A PRECAUTIONARY MEASURE AND DOES NOT
AFFECT READINESS REPORTING OR UTILITY OF THE M1A1/A2 TANK.

THE M831A1 AND M865/M865PIP USE M14 PROPELLANT. THIS
PROPELLANT BURNS RAPIDLY AND CAN GENERATE EXPLOSIVE GASES
THAT EXCEED THE M1A1/A2 HULL AMMUNITION COMPARTMENT DESIGN
SPECIFICATIONS. THESE ROUNDS MAY BE STOWED IN THE M1A1/A2
READY AND SEMI-READY TURRET AMMUNITION STOWAGE COMPARTMENTS.
HOWEVER, IN ORDER TO MINIMIZE EXPOSURE OF PERSONNEL AND
EQUIPMENT, THE NUMBER OF ROUNDS STOWED IN THE TURRET
STOWAGE COMPARTMENTS SHOULD BE THE MINIMUM NUMBER REQUIRED
TO ACHIEVE GUNNERY OBJECTIVES.

OTHER 120 MM CARTRIDGES - M829, M829A1, M829A2, M830,
AND M830A1 DO NOT EXCEED HULL AMMUNITION COMPARTMENT DESIGN
SPECIFICATIONS. THIS IS A PRECAUTIONARY MEASURE AND DOES NOT
AFFECT READINESS REPORTING OR UTILITY OF THE M1A1/A2 TANK.

AMMO INFO NOTICE 019-1998:

SUBJ: OVERHEAD FIRE AMMUNITION CLEARANCE REQUESTS (1320-D501,
D502,D503, D509,D514,D515,D563,D579,D864)

REF MARCORSYSCOM EMAIL 26 AUG 98.

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

REQUEST THIS INFORMATION BE DISSEMINATED TO ALL PERSONNEL
RESPONSIBLE FOR SAFETY, ISSUE AND USING AMMUNITION.

IAW MCO8020.10 DTD 18 OCT 95 AMMUNITION AND EXPLOSIVE SAFETY
POLICIES, PROGRAMS, REQUIREMENTS AND PROCEDURES FOR CLASS V
MATERIAL MARCORSYSCOM (AM) IS RESPONSIBLE FOR ALL MARINE
CORPS CLASS V(W) SAFETY MATTERS. THIS INCLUDES CLEARED/NOT
CLEARED FOR OVERHEAD FIRE POLICIES AND DETERMINATIONS.

MCO 93570.1A/AR 385-63 DTD 15 NOV 83 PROVIDES INFORMATION
ON FIRING OF CLASS V(W) AMMUNITION FOR TRAINING, TARGET PRACTICE
AND COMBAT. ONLY LOTS OF ARTILLERY AMMUNITION THAT HAVE BEEN
CLEARED AND ARE NOT SUSPENDED OR RESTRICTED BY REF A WILL
BE USED IN TRAINING EXERCISES REQUIRING OVERHEAD FIRE. THE
FOLLOWING INFORMATION IS PROVIDED REGARDING USE OF CERTAIN
TYPES OF MUNITIONS FOR OVERHEAD FIRE.

(A) IMPROVED CONVENTIONAL MUNITIONS (ICM) - DODIC D501,
D502, D503, D509, D514, D515, D563, AND D864.

PARAGRAPH 11-5.F(4) OF MCO 93570.1A SPECIFICALLY

PROHIBITS THE FIRING OF ICM AND ANTIPERSONNEL-TYPE PROJECTILES OVER THE HEADS OF TROOPS IN TRAINING.

- (B) ROCKET ASSISTED PROJECTILES (RAP) - DODIC D579. ALTHOUGH MCO 93570.1A STATES WHEN ROCKET ASSISTED PROJECTILES ARE FIRED OVERHEAD, IT WILL BE ROCKET OFF, HOWEVER, REF A LISTS ALL STOCKS OF THIS DODIC AS NOT CLEARED FOR OVERHEAD FIRE AND TM 43-0001-28 STATES THIS PROJECTILE WILL BE FIRED ROCKET ON ONLY, BUT DOES NOT AUTHORIZE OVERHEAD FIRE. ROCKET ASSISTED PROJECTILES ARE NOT TO BE CLEARED FOR OVERHEAD FIRE. EACH RAP PROJECTILE EJECTS A DELAY ASSEMBLY AT APPROXIMATELY SEVEN SECONDS AFTER FIRING. THESE DELAY ASSEMBLIES HAVE BEEN DETERMINED TO BE LETHAL FRAGMENTS. ADDITIONALLY, ROCKET MOTOR MALFUNCTION DUE TO PROPELLANT GRAIN POROSITY HAS BEEN OBSERVED DURING TEST FIRING. PROJECTILE IMPACTING AS MUCH AS 10,000 METERS SHORT OF THE INTENDED TARGET IS A REMOTE POSSIBILITY.

ICM AND RAP PROJECTILES ARE NOT CLEARED FOR OVERHEAD FIRE. LOCAL COMMAND WAIVERS OF THE CLEARED/NOT CLEARED FOR OVERHEAD FIRE STATUS ARE NOT AUTHORIZED.

WHEN AMMUNITION INTENDED FOR ANY EXERCISE REQUIRING OVERHEAD FIRE IS NOT CONTAINED IN REFERENCE A, SUBMIT REQUEST FOR CONSIDERATION TO MARCORSYSCOM (AM). AFTER A THOROUGH BACKGROUND

SEARCH OF THE AMMUNITION, IT WILL BE DECLARED AS EITHER CLEARED OR NOT CLEARED FOR OVERHEAD FIRE AND DOCUMENTED BY MESSAGE AND ADDED TO THE NEXT EDITION OF REFERENCE A. ANY WAIVERS GRANTED WILL BE FOR SINGLE EVENT OR EXERCISE ONLY AND WILL NOT BE CONSIDERED A BLANKET APPROVAL.

AMMO INFO NOTICE 022-1998:

SUBJ: LOT NUMBERING PROBLEM OF 40MM M651 CS SMOKE NSN 1310-00-849-2083 NCI PREFIXED LOTS (1310-B567)

THIS AIN PROVIDES GUIDANCE TO ALL USERS AND STORAGE ACTIVITIES OF 40MM M651 CS SMOKE CARTRIDGE (DODIC B567), NSN 1310-00-849-2083 LOT NUMBERING PROBLEM. CARTRIDGES AND/OR PACKAGING OF SOME AMMUNITION LOT NUMBERS (ALN) PREFIXED NCI WERE IMPROPERLY STENCILED WITH AN EXTRA DIGIT AT THE END OF THE ALN. FOR EXAMPLE, ALN NCI-3-19 (THE PROPER LOT NUMBER) WILL SHOW AS NCI-3-19-1 OR NCI-3-19-2. THIS COULD RESULT IN IMPROPER REPORTING OF INVENTORY AND MALFUNCTIONS BECAUSE THE CARTRIDGES, PACKAGING, AND DOCUMENTS DO NOT REFLECT THE SAME INFORMATION. TO PREVENT AND MINIMIZE REPORTING ERRORS, USERS AND STORAGE ACTIVITIES ARE DIRECTED TO IGNORE THE LAST NUMERICAL DIGIT (-1, -2, -3) OF THE NCI PREFIXED LOTS.

THIS DOES NOT APPLY TO THOSE LOTS WITH ALPHABETICAL SUFFIXES SUCH AS NCI-3-19A, NCI-3-19B, ETC. THIS AIN IS VALID UNTIL ALL NCI-PREFIXED LOTS ARE EXPENDED.

AMMO INFO NOTICE 025-1998:

SUBJ: CHANGE OF HAZARDOUS CLASSIFICATION CODE TO INERT (1356-5W13,5W14) (1355-TW07,TA68,QW47)

REF NUWC DIV KEYPORT EMAIL 1 SEP 98.

THE FOLLOWING AIR STABILIZERS MK 32 MOD 0 NALC 5W13, MK33 MOD 0 NALC 5W14, MK 28 MOD 3 NALC TA68, MK 27 MOD 0 NALC TW07 AND MK 31 MOD 1 NALC QW47 HAVE BEEN RECLASSIFIED BY DEPARTMENT OF TRANSPORTATION AS A NON-EXPLOSIVE. THEREFORE ALL REFERENCES RELATING TO EXPLOSIVES MUST BE REMOVED FROM SHIPPING CONTAINERS.

FOR THE PURPOSE OF SHIPPING AND STORAGE SUBJECT AIR STABILIZERS ARE TO BE TREATED AS NON-EXPLOSIVES. THE

FOLLOWING REMARKING IS REQUIRED PRIOR TO SHIPPING, DOWNLOADING FROM SHIPS, DURING RE-STOW PROCESSES, OR DURING RE-WORK ON SUBJECT AIR STABILIZERS TO ENSURE MATERIAL IS PROPERLY SHIPPED:

- (A) REMOVE ALL EXPLOSIVE 1.4 LABELS AND MARKINGS FROM CONTAINERS
- (B) REMOVE ALL REFERENCES TO NET EXPLOSIVE WEIGHT OR NEW
- (C) ENSURE THAT ALL MARKINGS REQUIRED BY MIL-STD-129 ARE PRESENT. THIS INCLUDES NSN, NOMENCLATURE, CONTRACT NUMBER, LOT NUMBER, SERIAL NUMBER, DATE OF PACK, WEIGHT, VOLUME AND SHIPPING (PACKING) CONDITION DL 3221893.

IN VIEW OF READINESS REQUIREMENTS, RESTOW TO INERT MAGAZINES IS NOT REQUIRED.

AMMO INFO NOTICE 026-1998:

SUBJ: FIRING PRECAUTIONS FOR CARTRIDGES, 81MM, HE M374A2 AND 81MM, WP, SMOKE M375A1 AND M375A2 (1315-C256,C276)

REF CDRIOC ROCK ISLAND IL 291252Z MAY 98.

REQUEST DISSEMINATION OF THIS AIN TO ALL UNITS FIRING 81MM MORTARS, RANGE SAFETY OFFICERS AND EOD.

EVERY PRECAUTION MUST BE TAKEN TO KEEP SUBJECT AMMUNITION DRY. FIRING IN INCLEMENT WEATHER (RAIN/SNOW) IS NOT ADVISABLE. CRITICAL SHORT ROUNDS MAY OCCUR WHEN PROPELLING CHARGE BAGS ARE WET OR HAVE PREVIOUSLY BEEN EXPOSED TO MOISTURE.

SUBJECT CARTRIDGES ARE ASSEMBLED WITH THE M90A1 PROPELLING CHARGE BAG, WHICH WAS COATED, DURING MANUFACTURE, TO PROVIDE SOME MOISTURE PROTECTION. TESTING WAS CONDUCTED TO DETERMINE THE PROPELLING CHARGE BAGS PRESENT RESISTANCE TO MOISTURE. SAMPLES WERE SELECTED FROM THREE M374A2 HE CARTRIDGE LOTS AND FIRED AFTER SUBMERGING THE CARTRIDGES IN WATER. THE TEST WAS CONDUCTED IN THREE PHASES IN WHICH CARTRIDGES WERE SUBMERGED FOR ONE SECOND, FIVE SECOND, AND FIFTEEN SECOND INTERVALS. CRITICAL SHORT ROUNDS (IMPACTING LESS THAN 100 METERS) RESULTED AT EVERY PHASE.

THIS FIRING PRECAUTION WILL BE SUBMITTED AS A RECOMMENDED CHANGE TO TM 9-1015-200-10, OPERATOR'S MANUAL FOR MORTAR, 81MM, M29A1, OCTOBER 1985 AND TM 43-0001-28, ARMY AMMUNITION DATA SHEETS ARTILLERY AMMUNITION GUNS, HOWITZERS, MORTARS, RECOILLESS RIFLES, GRENADE LAUNCHERS, AND ARTILLERY FUZES (FSC 1310, 1315, 1320, 1390), APRIL 1994.

THIS AIN WILL INCLUDED IN THE OCTOBER 1998 EDITION OF REF A.//

AMMO INFO NOTICE 002-1999:

SUBJ: UNREADABLE LOT NUMBERS (1377-MD65)

REF NAVSURFWARCENDIV INDIAN HEAD MD 201841Z OCT 98.

INDIVIDUAL CARTRIDGES IN CCU-45/B IMPULSE CARTRIDGE (MD65) LOT NUMBER PSI98E001-005, MAY HAVE UNREADABLE LOT NUMBERS. OUTER PACKAGING AND SEALED CANS ARE MARKED CORRECTLY. IF CARTRIDGE LOT NUMBERS ARE UNREADABLE, USE IDELIBLE INK TO REMARK LOT NUMBER PRIOR TO USE. NSN 1377-01-063-3167 APPLIES.

AMMO INFO NOTICE 011-1999:

SUBJ: SAFETY OF USE MESSAGE HEXACHLOROETHANE (HC) SMOKE MIXTURE

(1330-G930) AND (1365-K867)

REF CDRIOC ROCK ISLAND 151448Z JAN 98.

THIS AIN SUPERSEDES SPCC AIN 035-91 (051735Z AUG 91).

A COPY OF THIS AIN WILL BE PROVIDED TO ALL ORGANIZATIONS AND PERSONNEL UTILIZING MUNITIONS CONTAINING HC SMOKE. A COPY WILL ALSO BE PUT IN TM-9-1330-200-12/TM-1330-12/A OPERATORS AND ORGANIZATIONS

MAINTENANCE MANUAL.

PENDING REVISIONS OF APPLIABLE MANUALS TO MUNITIONS CONTAINING HC MIXTURE, RECOMMEND THE FOLLOWING SAFETY STANDARDS BE ADHERED TO:

- (A) DANGER DO NOT USE HC IN CONFINED OR ENCLOSED AREAS
- (B) PERSONNEL WILL CARRY THEIR PROTECTIVE MASK WHEN PARTICIPATING IN ANY EXERCISES WHICH INCLUDE THE USE OF HC SMOKE. PERSONNEL MUST WEAR THE PROTECTIVE MASK IN ANY CONCENTRATION OF HC SMOKE.
- (C) PERSONNEL WILL MASK WHEN USING SMOKE DURING MILITARY OPERATIONS IN UBRAN TERRAIN TRAINING WHEN OPERATING IN ENCLOSED SPACES. NOTE: THE PROTECTIVE MASK IS NOT EFFECTIVE IN OXYGEN DEFICIENT ATMOSPHERES. CARE MUST BE TAKEN NOT TO ENTER CONFINED SPACES WHERE OXYGEN MAY HAVE BEEN DISPLACED.

AMMO INFO NOTICE 014-1999:

SUBJ: SECONDARY FUZE WELL EXPLOSIVE EXUDATION (1345-K180)
REF MARCORSYSCOM EMAIL DTD 20 NOV 98.

THIS AIN SUPERSEDES NOC AIN 013-99 (131935Z JAN 99).

THIS AIN IS TO BE ISSUED TO ALL END USERS OF DODIC K180, MINE, AT HEAVY M15.

WHEN PALLETIZED OR OTHERWISE STORED WITH ITS BASE UP IN A WET OR HUMID ENVIRONMENT, THE M15 MINE IS SUSCEPTIBLE TO BASE AND SECONDARY FUZE WELL CORROSION. CORROSION IN A SECONDARY FUZE WELL CAN LEAD TO EXPLOSIVE EXUDATION THAT IS NOT READILY VISIBLE AND CAN ONLY BE VERIFIED THROUGH PROPER ANALYSIS. AS IS THE CASE WITH MOST EXPLOSIVES, THE POSSIBILITY EXISTS THAT COMPRESSION OR FRICTION APPLIED DIRECTLY TO THE EXPLOSIVE EXUDATE WILL RESULT IN DETONATION.

WHEN RECEIVED BY A USER, BOTH SIDE AND BASE SECONDARY FUZE WELLS WILL BE INSPECTED. IF CORROSION OR OTHER FOREIGN MATERIAL IS PRESENT IN EITHER SECONDARY FUZE WELL, THE MINE DEFECT WILL BE DOCUMENTED AND THE ROUND TURNED BACK IN TO THE ASP AS AN UNSERVICEABLE ASSET. IT WILL NOT BE USED. ASSUME THAT LOOSE, EXPLOSIVE EXUDATE IS PRESENT AND TREAT IT ACCORDINGLY. THE USING COMMAND WILL REPORT THE DEFECT IN ACCORDANCE WITH MCO 8025.1B DTD 31 MAY 90 OR OPNAVINST 5102.1C DTD 22 MAY 90.

WHEN OPPORTUNITIES EXIST TO REPALLETIZE M15 MINES, THEY WILL BE ORIENTED ON THE PALLET SO THAT ALL BOXES ARE ON THEIR SIDES. SEE THE MOST RECENT EDITION OF PACKAGING DIGEST FOR MARINE CORPS CLASS V (W) MATERIAL (NWSC/CR/RDTR-96) OR DRAWING NUMBER 19-48-4116/95-B FOR FULL PALLET CONFIGURATIONS.

AMMO INFO NOTICE 017-1999:

SUBJ: MK 141 MOD 0 DIVERSIONARY CHARGE (1375-DWBS)

REF NSWCRANE PM4 REVIEW 21 DEC 98.

THIS AIN IS ISSUED TO REITERATE SAFETY REGARDING THE SAFE HANDLING, USE AND EMPLOYMENT OF THE MK 141 MOD 0, DIVERSIONARY CHARGE, DODIC DWBS. THE MK 141 MOD 0 DIVERSIONARY CHARGE IS A LOW HAZARD, NON-SHRAPNEL PRODUCING EXPLOSIVE DEVICE THAT PRODUCES AN INTENSE FLASH AND SOUND REPORT WITH A MINIMAL AMOUNT OF SMOKE. SW010-AD-GTP-010, SW050-AB-MMA-010 AND THE INSTRUCTION SHEET PACKED IN EACH SHIPPING BOX OF THREE DEVICES RECOMMEND THE CHARGE BE THROWN A MINIMUM SAFE DISTANCE OF TEN FEET FROM THE USER. EXTENSIVE TESTING HAS SHOWN A POTENTIAL INJURY HAZARD EXISTS FROM ALUMINUM SHARDS OF THE ELECTRO-STATIC DISCHARGE PROTECTIVE WRAPPING WHEN THE CHARGE FUNCTIONS AT DISTANCES LESS THAN FOUR FEET FROM PERSONNEL. AT DISTANCES GREATER THAN TEN FEET THE REDUCTION IN THE VELOCITY OF THE ALUMINUM FOIL SHARDS RENDER THEM HARMLESS.

ADDITIONALLY, IF THE FUZE IS CONSTRAINED AT THE TIME OF FUNCTION, THE MAIN CHARGE CAN MOVE DISTANCES UP TO TWO AND ONE-HALF FEET, FURTHER INCREASING THE PROBABILITY OF PERSONNEL INJURY. CAUTION SHOULD BE EXERCISED DURING TRAINING TO ENSURE THAT THE MINIMUM SAFE DISTANCE OF TEN FEET FROM ALL PERSONNEL IS MAINTAINED.

THE FOLLOWING DIRECTIONS FOR SAFE USE AND TRAINING WITH THE MK 141 ARE PROVIDED AS THEY APPEAR IN NAVSEA TECHNICAL MANUAL SWO50-AB-MMA-010 AND THE INSTRUCTION SHEET INCLUDED IN EACH MK 141 DIVERSIONARY CHARGE SHIPPING CONTAINER. STRICT COMPLIANCE IS STRESSED.

WARNINGS:

- (A) DO NOT REMOVE THE ADHESIVE ALUMINUM FOIL MAIN BODY OF THE CHARGE; IT SERVES AS AN ELECTROSTATIC SHIELD.
- (B) USE OF THE CHARGE CAN CAUSE HEARING DAMAGE. EAR PROTECTION MUST BE WORN WHICH WILL PROVIDE THE USER EAR PROTECTION FOR 185 DB IMPACT NOISE.
- (C) THE CHARGE BODY IS MADE OF FOAM. AVOID EXCESSIVE ROUGH HANDLING.
- (D) ANY ALTERATION OF THE SAFETY PIN ANGLE (BENDING, FLEXING, REMOVAL AND REINSERTION CHANGING OF ANGLE, ETC.) FROM THE POSITION OF THE STRAIGHT LEG AND ONE LEG AT 90 DEGREES RELATIVE TO THE OTHER CAN RESULT IN AN INCREASE IN PULL FORCE. THIS HIGHER FORCE MAY FRACTURE INTERNAL STRUCTURE, THEREBY CAUSING PREMATURE FUNCTION IN HAND.
- (E) DO NOT REMOVE THE SAFETY PIN UNTIL READY TO USE. ONCE SAFETY PIN HAS BEEN REMOVED, CHARGE MUST BE THROWN. DO NOT ATTEMPT TO REINSTALL THE SAFETY PIN.
- (F) DO NOT RELEASE THE SPRING LOADED SAFETY LEVER UNTIL THROWN.
- (G) DO NOT LOOK DIRECTLY AT THE DISPLAY OF THE CHARGE.
- (H) DO NOT ATTEMPT TO RETRIEVE AN ARMED CHARGE.

THE FOLLOWING ARE USE INSTRUCTIONS APPEARING ONLY ON THE INSTRUCTION SHEET PROVIDED IN EACH MK 141 SHIPPING PACKAGE. STRICT COMPLIANCE IS STRESSED.

- (A) UNPACK THE CHARGE FROM THE SHIPPING AND STORAGE CONTAINER AND REMOVE CHARGE FROM BARRIER BAG AND INNER ENCASMENT SLEEVE.
- (B) IMMEDIATELY INSPECT THE CHARGE FOR DAMAGE. HOLDING THE MAIN BODY, APPLY A SLIGHT TORQUE THE FUZE BODY. ANY CHARGE WITH MOVEMENT OF THE FUZE RELATIVE TO THE MAIN BODY SHALL NOT BE USED. ANY DAMAGED CHARGE OR CHARGE WITH MOVEMENT FUZE RELATIVE TO THE MAIN BODY SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS.
- (C) REMOVE THE SAFETY PIN SHIELD ON THE STRAIGHT LEG OF THE SAFETY PIN AND DISCARD.
- (D) PRIOR TO PULLING SAFETY PIN, TAKE ACTION TO ENSURE THAT ONE OF THE SAFETY PIN LEGS IS STRAIGHT AND THE OTHER LEG IS BENT APPROXIMATELY 90 DEGREES RELATIVE TO THE OTHER.
- (E) GRASP THE CHARGE FIRMLY, HOLDING THE LEVER AGAINST THE MAIN BODY AND IN THE PALM OF THE THROWING HAND. HOLD THE FUZE BODY TIGHTLY AGAINST THE MAIN BODY BY CURLING THE INDEX FINGER AND THUMB OF THE THROWING HAND AROUND THE PLASTIC FUZE BODY FLANGE.
- (F) USING THE OTHER HAND, PULL ON THE PULL RING TO REMOVE THE SAFETY PIN.

- (G) IT IS RECOMMENDED THAT THE CHARGE BE THROWN A MINIMUM DISTANCE OF TEN FEET, THEN TURN AWAY.
- (H) THE CHARGE WILL FUNCTION BETWEEN 1.2 AND 1.8 SECONDS AFTER RELEASE OF THE SPRING LOADED SAFETY RELEASE LEVER.

AMMO INFO NOTICE 024-1999:

SUBJ: TOW MISSILE AFT SEAL INSPECTION (1410-PU16)
REF CDRAMCOM REDSTONE ARSENAL IL 181630Z DEC 98.
THIS AIN SUPERSEDES NOC AIN 022-99 (DTG 011935Z APR 99).
REQUEST DISSEMINATE THIS INFORMATION TO ALL ORGANIZATIONS AND PERSONNEL INSPECTING TOW MISSILES.
PRESSURE INSIDE THE TOW MISSILE CASE CAN CAUSE THE AFT SEAL TO BULGE. EXCESSIVELY BULGED AFT SEALS ARE CRITICAL DEFECTS. USE THE FOLLOWING PROCEDURE TO ASSESS WHETHER THE AFT SEALS ARE BULGED EXCESSIVELY.

- (A) WITH THE MISSILE REMOVED FROM THE OUTERPACK, PLACE ON A HORIZONTAL SURFACE
- (B) USING STANDARD OFFICE INK PAD, WET THE AFT SEAL GAGE ON BOTH SIDES OF THE NOTCH
- (C) INSERT THE AFT SEAL GAGE IN THE SLITS OF THE AFT HANDLING RING WITH THE WETTED EDGE TOWARD THE AFT SEAL
- (D) ONCE THE GAGE IS REMOVED, INSPECT THE AFT SEAL FOR PRESENCE OF INK. IF INK IS PRESENT, THE MISSILE SHOULD BE REJECTED AND THE SAFE TO STORE/SHIP PROCEDURE IN PARAGRAPH FIVE APPLIED AND SUBMIT AN CODR.

IF THERE IS NO INK PRESENT, THE MISSILE IS ACCEPTABLE AND SHOULD BE CLASSIFIED TO THE APPROPRIATE CONDITION CODE.

NOTE: IF THE AFT HANDLING RING IS DAMAGED TO THE DEGREE THAT THE TEST CANNOT BE PERFORMED, SUBMIT AN CODR ON THAT ROUND ONLY. DRAW ANOTHER ASSET FOR THE SAMPLE.

FOR TOW MISSILES WITH UNACCEPTABLE BULGING AFT SEALS, USE THE FOLLOWING PROCEDURE TO RENDER THEM SAFE TO STORE/SHIP:

- (A) USING NUMBER EIGHT TORQUESET OR PHILLIPS BIT, LOOSEN THE THREE HOLD BACK PIN SEAL RETAINER SCREWS FOUR TO SIX TURNS
- (B) LISTEN FOR THE SOUND OF VENTING GASES
- (C) IF THE SOUND OF VENTING GASES IS NOT HEARD, MANUALLY BREAK THE SEAL BETWEEN THE FLEX SEAL AND THE MISSILE CASE. (ACCOMPLISH THIS BY LIFTING THE LOOSENEED SEAL RETAINER, INSERTING A SCREWDRIVER BETWEEN THE LIFTED RETAINER AND THE MISSILE CASE, AND LIFTING THE FLEX SEAL AWAY FROM THE MISSILE CASE).
- (D) MAKE A 90 DEGREE (APPROXIMATE) INCISION ALONG THE EXPOSED PERIMETER OF THE FLEX SEAL USING AN XACTO KNIFE OR EQUIVALENT.

- (E) RETIGHTEN THREE SEAL RETAINER SCREWS
- POC GREG ANDERSON, MARINE CORPS PROGRAMS

FALLBROOK CA COMM (760)731-3420 OR DSN 873-3420.

INSPECT FOR BULGING AFT SEALS WHEN MISSILE IS ISSUED AND WHEN TAKEN OUT OF SHIPPING CONTAINER.

AMMO INFO NOTICE 026-1999:

SUBJ: DODIC CATALOGING CHANGE FOR DROGUE GUN,F/F-5 AND T-38 A/C (1377-MD53)/

EFFECTIVE 4/22/99, THE PARACHUTE EJECTOR ASSEMBLY (DROGUE GUN) NALC MY22, NSN 2E 1377-015-6422 WILL BE CHANGED IN CAIMS TO DODIC MD53, 2E 1377-01-015-6422, P/N 1018-500.

THE LEAD SERVICE (AIR FORCE PICA) CATALOGED THE SEVERANCE

ASSEMBLY USING DODIC MY22 AND THE DROGUE GUN USING DODIC MD53. THEREFORE, ALL FUTURE REQUISITIONS FOR THE DROGUE GUN WILL BE SHIPPED UNDER NSN 1377-01-015-6422M DODIC MD53. THIS NSN AND DODIC WILL BE STENCILED ON BOTH THE INNER AND OUTER CONTAINERS.

FOR SEATS/ICAPS USERS: CONTINUE USING MY22 LISTED ON YOUR DODIC TABLE AND EXPLOSIVE CONFIGURATION TABLE FOR SEATS/ICAPS REPORTING. THE NEXT SEATS/ICAPS CHANGE WILL ADD DODIC MD53. IN THE INTERIM NSWCIH DIV WILL CONVERT CURRENT INSTALLED DATA FROM MY22 TO MD53. THE NEXT SEATS/ICAPS STATUS REPORT WILL PROVIDE THE DISTRIBUTION DATE FOR THE SOFTWARE CHANGE.

QUESTIONS CONCERNING SEATS/ICAPS SHOULD BE DIRECTED TO DSN 354-2233 OR 2232. OTHER QUESTIONS SHOULD BE DIRECTED TO DSN 354-2246.

AMMO INFO NOTICE 027-1999:

SUBJ: CARTRIDGE, .50 CALIBER (1305-A523,A525,A531,A540,A541, A549,A551, A552,A553,A554,A555,A557,A558,A559,A560,A562,A570,A571 , A576,A577,A598,A607,A608,A610,AA06)

REF CRANE REVIEW 24 MAR 99.

THIS AIN APPLIES TO NAVY STOCK ONLY.

THIS AIN IS ISSUED BASED UPON REVIEW OF ENGINEERING DATA REGARDING COOK-OFF TIME OF .50 CALIBER CARTRIDGES IN A HOT GUN. ENGINEERING DATA SUPPORTS THAT COOK-OFF CAN OCCUR IN A LITTLE AS 10 SECONDS. PROCEDURES CONTAINED IN SW300-BC-SAF-010 SAFETY MANUAL FOR CLEARING OF LIVE AMMUNITION FROM GUNS DTD 1 NOV 85 ARE BASED UPON COOK-OFF IN A HOT GUN OCCURRING AFTER 30 SECONDS.

IN THE EVENT OF A MISFIRE IN A .50 CALIBER MACHINE GUN, THE FOLLOWING PROCEDURES SHALL BE FOLLOWED (PARAGRAPH STRUCTURE OF SW300-BC-SAF-010 HAS BEEN FOLLOWED):

2-29. GENERAL COMMENTS.

2-30. WHEN A MISFIRE OCCURS IN A .50 CALIBER MACHINE GUN, YOU HAVE APPROXIMATELY 10 SECONDS AFTER LOADING IN WHICH TO CLEAR THE ROUND FROM A HOT GUN. IF A COOK-OFF OCCURS IN THIS WEAPON WITH THE BOLT CLOSED, THE ROUND WILL FIRE IN A NORMAL MANNER. COOK-OFF CAN OCCUR ANY TIME BETWEEN 10 SECONDS AND 5 MINUTES AFTER THE ROUND IS LOADED, REFER TO TABLE 1-2 OF SW300-BC-SAF-010 FOR GENERAL DEFINITIONS.

2-31. FOR DETAILED OPERATING PROCEDURES, REFER TO THE APPLICABLE EQUIPMENT PUBLICATION LISTED IN TABLE 1-1 OF SW300-BC-SAF-010. PARAGRAPHS 2-32 AND 2-33 IDENTIFY THE CHARACTERISTICS OF A HOT OR COLD GUN.

2-32. HOT GUN DEFINITION. THE WEAPON IS CONSIDERED TO BE A HOT GUN, HAVING REACHED COOK-OFF TEMPERATURE, AS FOLLOWS:

(A) M2HB AND M2HB SOFT MOUNT. A BURST OF 200 OR MORE ROUNDS IS FIRED IN UNDER 2 MINUTES.

(B) GAU 16/A AND XM-218. FIRING 150 OR MORE POUNDS IN UNDER 2 MINUTES OR CONTINUOUSLY FIRING 200 ROUNDS USING INTERRUPTED BURSTS IN UNDER 5 MINUTES.

2-33. COLD GUN DEFINITION. THE WEAPON IS CONSIDERED TO BE A COLD GUN AS FOLLOWS:

(A) M2HB AND M2HB SOFT MOUNT. A BURST OF FEWER THAN 200 ROUNDS IS FIRED FROM A BARREL AT AMBIENT TEMPERATURE IN OVER 2 MINUTES.

(B) GAU16/A AND XM-218. A BURST OF FEWER THAN 150 ROUNDS IS FIRED FROM A BARREL AT AMBIENT TEMPERATURE IN OVER-2 MINUTES BUT NOT TO EXCEED 200 ROUNDS IN 5 MINUTES.

2-34. IMMEDIATE ACTION MISFIRE PROCEDURES.

2-35. WHEN A MISFIRE OCCURS, PROCEED AS FOLLOWS:

- (1) ENSURE WEAPON IS POINTED TO SAFE LINE OF FIRE.
- (2) CLEAR, ALL UNNECESSARY PERSONNEL FROM THE VICINITY OF THE WEAPON.
- (3) DETERMINE IF BOLT IS PARTIALLY OPEN OR FULLY CLOSED.

FOLLOW PROCEDURES IN PARAGRAPH 2-36 OR 2-37, AS APPROPRIATE.
NOTE: A PARTIALLY OPEN BOLT CAN BE CAUSED BY ONE OF THE FOLLOWING:

A FAILURE TO EJECT A SPENT CARTRIDGE CASE, A FAILURE TO CHAMBER A LIVE ROUND, OR A RUPTURED CARTRIDGE CASE.

2-36. BOLT PARTIALLY OPEN. IF BOLT IS PARTIALLY OPEN, PROCEED AS FOLLOWS:

- (1) DRAW BOLT FULLY TO THE REAR AND RELEASE CHARGING HANDLE.
- (2) IF A ROUND OR SPENT CASE IS EJECTED, ATTEMPT TO FIRE. IF ROUND FIRES, THE IMMEDIATE ACTION WAS SUCCESSFUL. NO FURTHER STEPS ARE REQUIRED.
- (3) IF THE WEAPON DOES NOT FIRE, PROCEED WITH PARAGRAPH 2-37.

2-37. BOLT FULLY CLOSED. DETERMINE IF WEAPON IS A HOT GUN OR COLD GUN.

2-38. HOT GUN PROCEDURE.

WARNING. IN A HOT GUN, THE POSSIBILITY OF A PROPELLING CHARGE COOK-OFF IS ALWAYS PRESENT. WAIT 3 SECONDS AFTER LAST ATTEMPT TO FIRE BEFORE OPENING BOLT TO PROTECT AGAINST HANGFIRE HAZARDS. NEVER OPEN THE COVER OF A HOT GUN. AN OPEN COVER COOK-OFF COULD OCCUR AND RESULT IN SERIOUS INJURY OR DEATH.

NEVER REMOVE THE BACKPLATE ASSEMBLY FROM A WEAPON UNTIL THE CHAMBER HAS BEEN CLEARED.

- (1) WAIT 3 SECONDS TO ALLOW FOR A HANGFIRE AND CHARGE WEAPON.
- (2) IF YOU ARE UNABLE TO CHARGE THE WEAPON, PROCEED WITH STEP 4 OR 6 AS APPROPRIATE. INSPECT FOR RUPTURED CARTRIDGE CASE WHEN THE WEAPON HAS COOLED SUFFICIENTLY.
- (3) IF WEAPON CHARGES NORMALLY AND A ROUND OR SPENT CASE IS EJECTED, ATTEMPT TO FIRE. IF THE WEAPON FIRES, THE IMMEDIATE ACTION WAS SUCCESSFUL AND NO FURTHER STEPS ARE REQUIRED.

NOTE: STEP 4 APPLIES TO M2HB USERS ONLY. USERS OF AIRCRAFT MACHINE GUNS PROCEED TO STEP 6.

- (4) IF WEAPON DOES NOT FIRE, ENSURE THAT THE BOLT IS IN THE FORWARD POSITION.
- (5) PLACE THE WEAPON IN SINGLE-SHOT MODE BY TURNING THE BUFFER TUBE SLEEVE TO THE RIGHT TO FREE THE BOLT LATCH RELEASE.
- (6) EVACUATE ALL PERSONNEL FROM THE AREA FOR 15 MINUTES. FOR AN IN-FLIGHT HOT GUN MISFIRE WHICH CANNOT BE CLEARED WITHIN 10 SECONDS, KEEP WEAPON POINTED IN SAFE DIRECTION UNTIL COOK-OFF OCCURS OR THE 15 MINUTE WAIT TIME HAS EXPIRED.
- (7) FOLLOW COLD GUN PROCEDURE IN PARAGRAPH 2-39, STEPS 3 THROUGH 7.

NOTE: DO NOT ATTEMPT TO FIRE A CARTRIDGE THAT HAS BEEN LEFT IN A HOT GUN WHILE THE EVACUATION PROCEDURE IS FOLLOWED. THE HEAT CAN CAUSE THE ROUND TO PRODUCE EXCESSIVE CHAMBER

PRESSURES

WHICH MAY RESULT IN PERSONEL INJURY AND/OR DAMAGE TO THE WEAPON.

CARTRIDGE SHALL BE MARKED FOR DISPOSAL AND DISPOSITION SHALL BE IN ACCORDANCE WITH LOCAL PROCEDURES.

2-39. COLD GUN PROCEDURE.

- (1) IF BOLT IS FULLY CLOSED, WAIT 3 SECONDS TO ALLOW FOR A HANGFIRE, THEN CHARGE GUN.
- (2) IF A ROUND OR SPENT CASE IS EJECTED, ATTEMPT TO FIRE, IF ROUND FIRES, THE IMMEDIATE ACTION WAS SUCCESSFUL AND NO FURTHER STEPS ARE REQUIRED.
- (3) IF THE WEAPON DOES NOT FIRE, WAIT 3 SECONDS, RAISE COVER AND REMOVE AMMUNITION BELT.
- (4) CHARGE THE WEAPON.
- (5) IF A ROUND OR SPENT CASE EJECTS, WEAPON WILL BE CLEAR.
- (6) RETRACT BOLT AND INSPECT THE CHAMBER AND BOLT FOR ROUNDS, SPENT OR RUPTURED CASES.
- (7) REMOVE MANUALLY TO CLEAR WEAPON.

AMMO INFO NOTICE 028-1999:

SUBJ: DIFFERENCES BETWEEN THE CURRENT VERSION OF THE M865 AND THE NEW M865E3 (1315-C785)

REF CDRIOC ROCK ISLAND IL 031696Z MAR 99.

THIS AIN APPLIES TO U.S MARINE CORPS STOCK ONLY.

REQUEST THE FOLLOWING INFORMATION BE PASSED TO ALL PERSONNEL USING SUBJECT ITEM.

THERE ARE EXTERNAL AND INTERNAL DIFFERENCES BETWEEN THE CURRENT VERSION OF M865 AND THE NEW M865E3. THE MAIN VISUAL DIFFERENCE IS THAT THE RUBBER SECONDARY OBTURATOR HAS BEEN REPLACED WITH A NYLON PLASTIC BAND CALLED THE COVER INSERT. THE CORE COATING HAS BEEN CHANGED FROM A HARDCOAT PLATING SILVERY COLOR) TO ANODIZED COATING (BRONZE COLOR).

STARTING THIS YEAR, ALL M865E3 CARTRIDGES WILL HAVE AN EPOXY PAINT ON THE COMBUSTIBLE CARTRIDGE CASE AND ADAPTER/CAP/COVER. THE EPOXY PAINT REPLACES THE CURRENT BASE COAT ENAMEL PAINT. THE EPOXY IS SCRATCH PROOF AND SHOULD ELIMINATE THE PROBLEM OF RACK RETAINER CLIPS SCRATCHING THE CARTRIDGE CASE. THE EPOXY PAINTED CASES/CAPS CANNOT BE REPAIRED USING SPRAY PAINT. THE EPOXY COATING HAS A HIGHER GLOSS SHEEN THAN THE CURRENT BASE COAT.

THE SHOULDER ANGLE OF THE M865 FORWARD ADAPTER HAS ALSO BEEN CHANGED TO REDUCE DAMAGE IN THE EVENT OF A MISALIGNED LOADER TRAY AND TO ASSIST IN CHAMBERING. THE CONFIGURATION NO LONGER USES BOLTS TO ATTACH THE CARTRIDGE CASE ADAPTER ONTO THE PROJECTILE ASSEMBLY. THE CONNECTION IS NOW ACCOMPLISHED USING THE NYLON COVER INSERT.

THERE ARE TWO INTERNAL CHANGES:

- (A) THE RUBBER/SILCON COATED M125 ELECTRIC PRIMER HAS BEEN REPLACED BY A NON-COATED THICKWALL PRIMER (NO MODEL NUMBER ASSIGNED). THE THICKWALL IS STILL A COOL-PRIMER.
- (B) THE SECOND CHANGE IS THAT THE TRACER ASSEMBLY HAS BEEN MODIFIED TO PROVIDE A LONGER AND BRIGHTER TRACER OUT TO 2500 METERS.

AMMO INFO NOTICE 029-1999:

SUBJ: BATTERY LIMITED LIFE (1390-N289,N290)

THIS AIN IS TO BE ISSUED WITH N289 AND N290 ELECTRONIC TIME FUZES, FOR USE BY ALL ORGANIZATIONS AND UNITS USING SUBJECT AMMUNITION.

THE N289 AND N290 ELECTRONIC TIME FUZES, M762 AND M767, ARE POWER BY LITHIUM RESERVE BATTERIES THAT ARE PYROTECHNICALLY ACTIVATED PRIOR TO USE. ACTIVATION IS ACCOMPLISHED BY EITHER TURNING THE NOSE CAP, THAT RELEASES A SPRING LOADED FIRING PIN INTO THE STAB/ELECTRIC PYROTECHNIC BATTERY PRIMER, OR ELECTRICALLY VIA AN INDUCTIVE LINK FROM THE WEAPON FIRE CONTROL SYSTEM.

WITHIN THE BATTERY LIFE SPAN ACTIVATED FUZES WILL DISPLAY THE FUZE SET TIME IN THE LIQUID CRYSTAL DISPLAY WINDOW, HOWEVER ONCE THE BATTERY IS EXPENDED THE DISPLAY WILL GO OUT.

THE BATTERIES HAVE A 30 - 45 DAY LIFE SPAN ONCE ACTIVATED. ACTIVATED FUZES MUST BE EXPENDED WITHIN THE ACTIVE LIFE OF THE BATTERY OR RETURNED TO THE ASP ANNOTATED THAT THE FUZE WAS ACTIVATED WITH THE DATE OF ACTIVATION.

ACTIVATED FUZES RETURNED TO THE ASP WILL BE SEGREGATED AND DESTROYED AS SOON AS POSSIBLE.

SUBJ: DETERMINING SERVICABILITY OF STINGER MISSILE BCU (1425-PJ02,PJ04, PJ09,PJ12,PL84,PL87,PL89,PL90,PL93,PL94,PL95

THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.

THIS AIN IS TO BE ISSUED TO ALL END USERS OF STINGER MISSILES.

THE BATTERY COOLANT UNIT (BCU) USED WITH ALL STINGER MISSILES HAS AN INDICATOR WINDOW ON ITS BASE WHICH IS SUPPOSED TO INFORM THE USER IF THE BCU HAS BEEN EXPENDED. ITEM NUMBER 20 IN TABLE 2.2 OF TM 9-1425-429-12 OPERATORS AND ORGANIZATIONAL MAINTENANCE MANUAL: FOR STINGER GUIDED MISSILE SYSTEM DTD 21 APR 92 NOTES THAT THE HEAT SENSITIVE INDICATOR SHOULD BE CHECKED ON THE BCU BEFORE INSTALLATION. IF THE INDICATOR IS NOT PINK OR WHITE, THE USER IS TO DISCARD THE BCU. MARKED ON THE BCU BASE IS THE WARNING, DO NOT USE IF DOT IS DARK.

RECENT SURVEILLANCE EVALUATIONS OF BCU INDICATORS HAS CONCLUDED THAT THE HEAT SENSITIVE PAINT USED IN THE MANUFACTURE OF SOME INDICATORS IS TURNING DARK THROUGH AGE DETERIORATION. THE DISCOLORATION MAY BE A DARK GRAY OR MAGENTA, WHICH IS NEARLY BLACK. THIS IS NOT DUE TO THE HIGH HEAT GENERATED DURING NORMAL OPERATION OF A BCU.

ONCE INITIATED, A BCU WILL GENERATE SURFACE TEMPERATURES UP TO 400 DEGREES FAHRENHEIT. THE HEAT SENSITIVE INDICATOR WILL TURN DARK BLACK AND THE PLASTIC BCU WILL GENERALLY WARP AT ITS BASE. USERS WILL USE THESE INDICATORS FOR DETERMINING SERVICABILITY OF THE BCU VICE THAT PROVIDED BY ITEM 20 IN TABLE 2-2 OF TM 9-1425-429-12.

OTHER POSSIBLE INDICATORS OF A SPENT BCU INCLUDE THE PROTECTIVE RUBBER GROMMET PUSHED BACK EXPOSING THE NEEDLE, OR A RUPTURED BURST DISC DIAPHRAGM. THESE ARE CORRECTLY ADDRESSED BY ITEMS 21 AND 22 IN TABLE 2-2 OF TM 9-1425-429-12.

ANY BCU NOT KNOWN TO BE EXPENDED AND FOUND WITH A DARK BLACK INDICATOR, ANY WARPING ON ITS BODY, THE PROTECTIVE GROMMET PUSHED BACK EXPOSING THE NEEDLE, OR A RUPTURED BURST DISC DIAPHRAGM, WILL BE TREATED AS LIVE ORDNANCE. THE BCU WILL BE RETURNED TO THE ISSUING ASP AND THE USING COMMAND WILL REPORT

THE DEFECT IN ACCORDANCE WITH MCO 8025.1B CLASS V(W) MALFUNCTION AND DEFICIENCY REPORTING DTD 31 MAY 90.

A RECOMMENDED CHANGE HAS BEEN SUBMITTED TO UPDATE TM 9-1425-429-12 WITH THIS GUIDANCE.

AMMO INFO NOTICE 032-1999:

AMMO INFO NOTICE 036-1999:

SUBJ: EXTRACTION OF STUCK CHAMBERED 120MM TANK CARTRIDGES
(1315-C380,C784,C785, C786,C787,C791)

A COPY OF THIS AIN WILL BE PROVIDED TO ALL ORGANIZATIONS AND PERSONNEL INVOLVED IN THE FIRING OF SUBJECT 120MM TANK CARTRIDGES.

RECENTLY, THERE WAS A DEFECT REPORT SUBMITTED ON TWO C787 120MM HEAT-MP-T CARTRIDGES WHERE THE CASE BASE AND SEAL ASSEMBLY (CBSA) SEPARATED FROM THE COMBUSTIBLE CARTRIDGE CASE (CCC) DURING MANUAL EXTRACTION FROM THE GUN CHAMBER. DURING INVESTIGATION OF THIS DEFECT, IT WAS DETERMINED THAT PERSONNEL WERE NOT ALWAYS PROPERLY INSTRUCTED IN REMOVAL OF STUCK ROUNDS.

THE INTENT OF THIS AIN IS TO EMPHASIZE TO FIELD USERS THE POTENTIAL HAZARD OF CBSA OR PROJECTILE SEPARATION FROM THE CCC, AND TO CLARIFY EXTRACTION PROCEDURES PROVIDED IN TM 9-2350-264-10-1/MC 08953-10/1-1, CHAPTER 2, SECTION III, LOADERS STATION, SERVICE MAIN GUN (UNLOAD STUCK ROUND). ALL PERSONNEL INVOLVED SHOULD BE FAMILIAR WITH THESE PROCEDURES PRIOR TO ACTUALLY REMOVING A STUCK ROUND.

FOR ALL FIELD USERS:

WARNING

DO NOT USE EXTRACTOR TOOL TO REMOVE A STUCK ROUND. THE EXTRACTOR TOOL CAN CAUSE SEPARATION OF THE ROUND. USE CAUTION TO PREVENT ROUND FROM SEPARATING. IF ROUND SEPARATES, PROPELLANT CAN SPILL. IF SPILLED PROPELLANT CONTACTS A HEAT SOURCE, SUCH AS A HOT PRIMER, THE RESULTING FIRE CAN BE LETHAL.

STUCK ROUND EXTRACTION PROCEDURES:

- (A) IF THE CHAMBERED ROUND CANNOT BE FIRED, FOLLOW THE PROCEDURES FOR CLEARING THE MAIN GUN AS DESCRIBED IN TM 9-2350-264-10-1/MC 08953-10/1-1, CHAPTER 2, SECTION III, LOADERS STATION, SERVICE MAIN GUN (UNLOAD STUCK ROUND).
- (B) IF THE BREECH BLOCK WILL NOT OPEN FULLY, OR THE CBSA APPEARS TO BE SEPARATING FROM THE CCC, OR THE ROUND CANNOT BE EASILY REMOVED FROM THE CHAMBER BY HAND (I.E. STUCK ROUND), DO NOT ATTEMPT TO PULL THE ROUND OUT USING THE EXTRACTOR TOOL. STUCK ROUNDS MUST BE REMOVED FROM THE CHAMBER BY RAMMING OUT FROM THE FORWARD END OF THE GUN TUBE AS SPECIFIED IN TM-9-2350-264-10-1/MC 08953-10/1-1.
- (C) DO NOT REUSE STUCK ROUND EXTRACTED FROM MAIN GUN. EXTRACTION DIFFICULTY MAY HAVE BEEN CAUSED BY SOME NON-STANDARD CONDITION IN AMMUNITION OR FUZE MAY HAVE BEEN DAMAGED DURING EXTRACTION PROCESS.
- (D) NEVER USE THE EXTRACTOR TOOL TO REMOVE A STUCK ROUND

THIS TOOL SHOULD ONLY BE USED FOR REMOVING A STUCK CBSA, AFTER SUCCESSFULLY FIRING A ROUND.
THIS AIN APPLIES TO THE FOLLOWING ITEMS:

1315-C380 CARTRIDGE, 120MM, APFSDS-T, M829A1
1315-C784 CARTRIDGE, 120MM, TP-T, M831/M831A1
1315-C785 CARTRIDGE, 120MM, TPCSDS-T, M865/M865E3
1315-C786 CARTRIDGE, 120MM, APFSDS-T, M829
1315-C787 CARTRIDGE, 120MM, HEAT-MP-T, M830
1315-C791 CARTRIDGE, 120MM, HEAT-MP-T, M830A1
1315-C792 CARTRIDGE, 120MM, APFSDS-T, M829A2

AMMO INFO NOTICE 041-1999: SUBJ: INCORRECT STENCILING ON LASER GUIDED TRAINING ROUND (1325-BWGH)
BE ADVISED THAT CERTAIN LGTR'S ARE INCORRECTLY STENCILED BY THE MANUFACTURER. THE STENCIL SHOULD READ LASER GUIDED TRAINING ROUND (LGTR) VICE LASER GUIDED TRAINING ROUND 11 (LGTR11). NSN AND NALC ARE CORRECT. THE FOLLOWING SERIAL NUMBERS APPLY, 0001 THROUGH 0999.

AMMO INFO NOTICE 042-1999: SUBJ: IMPROPERLY MARKED CCU-107/B IMPULSE CARTRIDGES (1377-MT95)
THIS AIN DISSEMINATES INFORMATION PERTAINING TO LOT HLX96E001-017. SOME CARTRIDGES IN THE WOODEN SHIPPING CONTAINERS FROM THIS LOT ARE IMPROPERLY MARKED HLX96F001- 017. THIS DISCREPANCY DOES NOT AFFECT FORM, FIT, OR FUNCTION. THE MISS-MARKED CARTRIDGES ARE FULLY SERVICEABLE. ADDITIONAL QDRS ON THIS PROBLEM ARE NOT REQUIRED.

AMMO INFO NOTICE 044-1999: SUBJ: C-4 BLOCKS WITH CHEMICAL TAGS (1375-M023,M757)
REF CDRIOC ROCK ISLAND IL 171421Z JUN 99
THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.
THIS AIN APPLIES TO ALL PERSONNEL/UNITS/ISSUING DEMO BLOCK M112 C-4 AND CHG, ASSY DEMO M183 (SATCHEL CHGS).
COMP C-4 BLOCK ASSEMBLIES CONTAINING CHEMICAL TAGS WILL BE FIELDIED IN COG OT STOCKPILE LATE 99 OR EARLY 00. UPON RECEIPT OF TAGGED C-4 BLOCK ASSEMBLIES, ROTATE CURRENT STOCKS OF M757 FROM PREPO AND OCONUS STOCKS AND REPLACE WITH COMP C-4 BLOCKS CONTAINING CHEMICAL TAGS.
FOLLOWING IS NSN FOR STOCKS CONTAINING CHEMICAL TAG:
1375-01-398-0060 M757
ALL CURRENT STOCKS OF C-4 BLOCKS ON HAND WITHOUT CHEMICAL TAG (NSNS 1375-00-724-7040 M023 AND 1375-00-926-3985 M757) WILL BE ISSUED FIRST FOR ROUTINE DEMOLITION, TRAINING OR DEMIL PURPOSES. THESE STOCKS MUST BE UTILIZED PRIOR TO (NON COMBAT) USE OF TAGGED C-4 BLOCKS. ALL STOCKS OF COMP C-4 WITHOUT CHEMICAL TAG MUST BE EXPENDED NO LATER THAN APRIL 2012 IAW PUBLIC LAW 104-132

AMMO INFO NOTICE 046-1999: SUBJ: CARTRIDGE, 25MM, HIGH EXPLOSIVE-INCENDIARY TRACER SELF DESTRUCT HEI-T AND CARTRIDGE, 25MM, TARGET PRACTICE-TRACER TP-T (1305-A975,A976)
A COPY OF THIS AIN WILL BE PROVIDED TO ALL ORGANIZATIONS AND PERSONNEL INVOLVED IN THE FIRING OF SUBJECT 25MM AMMUNITION A975 AND A976 USING THE M242 BUSHMASTER CHAIN GUN.
UNITS USING AND TRAINING WITH 25MM AMMUNITION SHOULD EXPECT VERTICAL DISPERSIONS UP TO 2.5 MILS WHEN FIRING EITHER HEI-T OR TP-T AMMUNITION UNDER NORMAL FIELD CONDITIONS. BALLISTIC TESTING HAS VERIFIED THAT THESE ROUNDS EXHIBIT SIMILAR DISPERSION AND OVERALL PERFORMANCE.
THE .5 MILS DISPERSION VALUE NOTED IN THE M242 CHAIN GUN TECHNICAL MANUAL TM 08672A-20&P/1, IS ONLY THE ESTIMATED CONTRIBUTION OF THE GUN ITSELF TO THE OVERALL WEAPON SYSTEM DISPERSION. THE GUN, AMMUNITION, SIGHTS, CREW PERFORMANCE, VEHICLE STABILITY, ETC. WILL ALL HAVE POTENTIALLY NEGATIVE AFFECT ON DISPERSION.

AMMO INFO NOTICE 048-1999: SUBJ: OPERATIONAL ROCKET, 35MM, PRACTICE, SUBCALIBER (1340-H708)
THIS AIN APPLIES TO NAVY STOCK ONLY.
REF TM 9-1340-224-12, OPERATOR AND UNIT MAINTENANCE MANUAL OF ROCKET LAUNCHER M190 WITH SUBCALIBER 35MM PRACTICE ROCKET M73.
(1) WARNING: SERIOUS PERSONNEL INJURY COULD OCCUR IF PROPER OPERATION PROCEDURES ARE NOT FOLLOWED.
(A) PRIOR TO USE, PERSONNEL WILL HAVE INSTRUCTION IN THE PROPER PROCEDURES FOR UNLOADING SUBCALIBER

35MM PRACTICE ROCKET M73 FROM ROCKET LAUNCHER M190.

(B) STORAGE INSTALLATIONS ARE REPORTING RECEIPT OF NUMEROUS ROCKETS SHIPPED NOSE DOWN WITH NO SAFETY CLIP INSTALLED. THIS ROCKET HAS AN IN-LINE PRIMER/IGNITER ASSEMBLY AND WITH THE SAFETY CLIP REMOVED THE FIRING PIN COULD FUNCTION CAUSING THE SPOTTING CHARGE TO BE INITIATED.

(C) TM 9-1340-224-12 INSTRUCTS THE USER TO REMOVE THE SAFETY CLIP FROM THE ROCKET AND SAVE IT IN CASE THE ROCKET IS NOT FIRED. LAUNCHER UNLOAD PROCEDURES REQUIRE THE SAFETY CLIP TO BE REPLACED IN THE ROCKET.

AMMO INFO NOTICE 052-1999:

SUBJ: DRAGON HANGFIRE PROCEDURES (1410-PL23,PM80)

REQUEST THAT THIS AIN BE DISTRIBUTED TO ALL ORGANIZATIONS AND PERSONNEL USING DRAGON MISSILES.

THE FOLLOWING DIRECTION SHOULD BE USED IN THE EVENT A HANGFIRE MALFUNCTION OCCURS WHEN FIRING DRAGON MISSILES. FIRING UNITS SHALL USE THIS MESSAGE AS AUTHORITY WHEN TURNING DRAGON HANGFIRE MISSILES OVER TO EOD FOR DISPOSAL.

DRAGON MISSILES THAT RESULT IN HANGFIRE MALFUNCTIONS HAVE BATTERIES, GYROS, AND GAS GENERATOR IGNITERS THAT HAVE HAD POWER APPLIED IN ATTEMPT TO INITIATE THEM. SINCE THESE COMPONENTS ARE IN AN UNKNOWN CONDITION FOLLOWING THE HANGFIRE, THE MISSILES MUST BE HANDLED WITH CARE. DRAGON MISSILES THAT RESULT IN HANGFIRE MALFUNCTIONS MUST NOT BE RETURNED TO THE AMMUNITION SUPPLY POINT. PROCESSING OF HANGFIRE MISSILES MUST BE IN ACCORDANCE WITH TM 9-1425-484-10 FOR DRAGON.

HANGFIRE MALFUNCTIONS CAN BE DISTINGUISHED FROM MISFIRE MALFUNCTIONS BY CHECKING FOR EVIDENCE THAT PREFIRE EVENTS OCCURRED. INDICATORS OF PREFIRE EVENTS INCLUDE THE DISTINCTIVE SOUND OF THE GYRO ACTIVATION AND A HOT TRACKER BATTERY. FOLLOWING TRIGGER PULL, LISTEN FOR GYRO INITIATION. IF THE MISSILE DOESN'T LAUNCH, THEN CAREFULLY FEEL NEAR, BUT DON'T TOUCH THE TRACKER BATTERY TO SENSE HEAT. IF EVIDENCE OF EITHER OF THESE PREFIRE FUNCTIONS ARE PRESENT, THE FAILURE TO LAUNCH IS A HANGFIRE MALFUNCTION. IF PERSONNEL ARE NOT SURE WHETHER PREFIRE FUNCTIONS OCCURRED, THE MISSILE MUST BE TREATED AS A HANGFIRE

FOLLOWING A HANGFIRE, WAIT THE PRESCRIBED DELAY PERIOD, REMOVE THE TRACKER FROM THE MISSILE, AND CAREFULLY LAY THE ROUND IN A DUD PIT OR ON THE GROUND A SAFE DISTANCE FROM THE FIRING POSITION. THEN NOTIFY EOD PERSONNEL THAT THE MISSILE IS READY FOR DISPOSAL.

AMMO INFO NOTICE 053-1999:

SUBJ: CTG, 60MM, SMOKE, WP, M722 (1310-B646)

REF CDRIOC ROCK ISLAND IL 231538Z JUL 99.

THIS AIN APPLIES TO NAVY STOCK ONLY.

REPORTS SUBMITTED BY ARMY FIELD ACTIVITIES HAVE INDICATED THAT LOTS OF SUBJECT ITEM MANUFACTURED BY MILAN ARMY AMMUNITION PLANT (MAAP) ARE NOT UNITIZED IN ACCORDANCE WITH UNITIZATION DWG NO 19-48-4015/2-20PA1004. THE SPACER ASSEMBLY SHOWN ON PAGE 2 OF THE DRAWING HAS BEEN REPORTED TO BE MADE COMPLETELY OF NOMINAL 1" X 4" LUMBER, RATHER THAN THE 2" X 4" DIMENSION SPECIFIED IN THE DRAWING.

THIS CONDITION CAUSES A 1-1/2-INCH "UNDERHANG" ON THE 48"-WIDTH SIDE OF THE PALLET BASE. THIS UNDERHANG DOES NOT PERMIT THE PALLET UNITS TO BE BUTTED UP AGAINST EACH OTHER TO FORM A SOLID MASS DURING TRANSPORTATION IN ORDER TO ELIMINATE SWAY OR SHIFTING IN THE TRUCK OR RAIL CAR. PALLETS

ARE STRAPPED VERTICALLY IN LIEU OF HORIZONTALLY WHICH DOES NOT ALLOW THE BOXES TO BE SECURED TIGHTLY TO THE PALLET. THIS CONDITION CREATES AN UNSTABLE LOAD IN TRANSPORTATION AND STORAGE. ALTHOUGH PALLETS MIGHT WITHSTAND INITIAL SHIPMENT FROM THE MANUFACTURER TO THE DEPOT, IT IS ANTICIPATED THAT MULTIPLE MOVEMENTS OF THE MATERIEL WILL REQUIRE THE USE OF ADDITIONAL ANTI-SWAY BRACING ASSEMBLIES DURING TRANSPORTATION. CURRENT CONFIGURATION WILL LEAD TO GENERAL DETERIORATION OF THE UNIT LOAD OVER TIME TO AN UNSAFE CONDITION, ESPECIALLY DURING BREAK BULK SHIPMENTS AND TACTICAL VEHICLE MOVEMENTS.

THE FOLLOWING GUIDANCE IS PROVIDED FOR AFFECTED LOTS:

- (A) SHIPMENT SHALL FOLLOW THE REQUIREMENTS OF DWG NO 19-48-4117-11PA1003 FOR LOADING AND BRACING OF TRUCKLOADS, AND OF DWG NO 19-48-4115-5PA1002 FOR LOADING AND BRACING OF CARLOADS, TAKING INTO CONSIDERATION THAT ADDITIONAL BLOCKING AND BRACING BETWEEN PALLETS WILL BE NECESSARY TO REDUCE PALLET SWAY DURING TRANSPORTATION. MATERIEL DESIGNATED FOR BREAK BULK SHIPMENT OR MOVEMENT BY TACTICAL VEHICLE WILL BE REPALLETIZED PRIOR TO SHIPMENT IN ACCORDANCE WITH DWG NO 19-48-4015/2-20PA1004.
- (B) STORAGE SHALL FOLLOW THE REQUIREMENTS OF DWG NO 19-48-4118/1-2-3-4-14-22PA1002. OPERATORS SHALL CONTACT SUPERVISORS FOR ADDITIONAL GUIDANCE WHEN UNSTABLE LOADS ARE ENCOUNTERED. PALLETS FOUND TO BE UNSTABLE DURING STORAGE OPERATIONS SHALL BE REPALLETIZED IN ACCORDANCE WITH DWG NO 19-48-4015/2-20PA1004.
- (C) MIL-STD-129 TAGS FOR MAAP-MANUFACTURED LOTS OF THIS ITEM WILL BE ANNOTATED, "REFER TO GUIDANCE OF AIN 053-99 IN CONNECTION WITH ANY ISSUE, RECEIPT, OR STORAGE ACTION INVOLVING THIS LOT."

FOLLOWING IS A LIST OF KNOWN LOTS (NOT INCLUDING SUFFIXES ISSUED TO STORING INSTALLATIONS) TO WHICH THIS GUIDANCE APPLIES:

MA-90K001-001	MA-92L003-006	MA-97F006-001
MA-90M001-002	MA-92L003-007	MA-97F006-002
MA-91F002-001	MA-92L003-008	MA-97F006-003
MA-92B003A001	MA-92L003-009	MA-98B007-001
MA-92D003-001	MA-95A004-001	MA-98B007-002
MA-92E003-002	MA-95A004-002A	MA-98B007-003
MA-92J003-003	MA-95A004-003	MA-98H008H001
MA-92J003-004	MA-95A004-004	
MA-92K003-005	MA-97C005A001	

AMMO INFO NOTICE 055-1999:

SUBJ: INCREASE STREAMER RATE IN M721 ILLUMINATING CARTRIDGES AT COLD TEMPERATURES (1310-B647)

REF MARCORSYSCOM MEMO DTD 25 OCT 95.

THIS AIN SHOULD BE DISSEMINATED TO ALL 60MM USERS.

THIS AIN APPLIES TO ALL STOCKS OF DODIC B647. BALLISTIC TESTS SHOW THAT B647 ILLUMINATING CARTRIDGES HAVE A HIGHER INCIDENCE OF STREAMERS AT LOW TEMPERATURES. OVER 10 PERCENT STREAMER RATE CAN BE EXPECTED WHEN CARTRIDGES ARE FIRED AT THE EXTREME CONDITIONS (-50 DEGREES F).

AMMO INFO NOTICE 008-2000:

SUBJ: IMPROPERLY MARKED STINGER GRIPSTOCKS (1440-PN15,PN16)

THIS AIN APPLIES TO NAVY AND SPECWAR ASSETS ONLY.

THIS AIN IS TO BE REVIEWED AND ACTED UPON AS NECESSARY

BY ALL STORAGE ACTIVITIES THAT MAINTAIN INVENTORIES OF STINGER GRIPSTOCKS.

THERE ARE THREE STINGER MISSILE GRIPSTOCK VERSIONS, TWO BASIC MODELS (DODIC PN15) AND ONE REPROGRAMMABLE MICROPROCESSOR

(RMP) MODEL (DODIC PN16). DIFFERENCES FOR EACH VERSION FOLLOW:

BASIC UNITIZED GRIPSTOCK - DODIC PN15, PART NUMBER 11486959, NSN 1440-01-024-6931, SERIAL NUMBER UP TO 551658.

BASIC CLAMSHELL GRIPSTOCK - DODIC PN15, PART NUMBER 13056705, NSN 1440-01-170-8618, SERIAL NUMBER EQUAL TO OR BETWEEN 551659 AND 565567.

RMP GRIPSTOCK - DODIC PN16, PART NUMBER 13251828, NSN 1440-01-233-1494, SERIAL NUMBER EQUAL TO OR BETWEEN 565568 AND 575723.

SURVEILLANCE EVALUATIONS OF STINGER GRIPSTOCKS HAVE REVEALED THAT SOME PN16 PACKAGING WAS IMPROPERLY MARKED AT THE FACTORY, INDICATING A PN15 BASIC CLAMSHELL GRIPSTOCK. FOR THESE ASSETS, THE OUTER FIBER BOX LABEL HAS AN NSN OF 1440-01-170-8618 AND A PART NUMBER OF 13056705. THE INNER BARRIER BAG NUMBER 13251828. IN ALL INSTANCES, THE SERIAL NUMBER MARKED ON THE OUTER BOX AND INNER BARRIER BAG LABELS WERE CONSISTENT, CORRECT AND CORRESPONDED TO A PN16 GRIPSTOCK.

UPON RECEIPT OF REQUEST FOR ISSUANCE AND PRIOR TO ISSUANCE AND RELEASE OF ANY PN15 AND/OR PN16 STINGER GRIPSTOCKS, ISSUING ACTIVITY WILL REVIEW AND ENSURE THAT REQUESTED GRIPSTOCK (PN15 OR PN16) SERIAL NUMBERS CORRESPOND AT THE DODIC AND NSN LEVEL WITH THE PARAGRAPH 4 DESCRIPTIONS LISTED ABOVE. FOR THOSE ASSETS THAT DO NOT MATCH THE PARAGRAPH 4 DESCRIPTIONS, THE QUESTIONABLE GRIPSTOCKS WILL BE PHYSICALLY INSPECTED TO DETERMINE THEIR PROPER IDENTITY PRIOR TO ANY INVENTORY CORRECTION

ALL ACTIVITIES REQUESTING PN15 AND PN16 GRIPSTOCKS, UPON RECEIPT OF CORRESPONDING REQUESTED GRIPSTOCK, SHALL PHYSICALLY INSPECT, IN ACCORDANCE WITH THE DIRECTIONS OUTLINED IN PARAGRAPH 8, THE GRIPSTOCKS TO ENSURE THAT THEY MATCH THE DESCRIPTIONS LISTED IN PARAGRAPH 4. FOR THOSE ASSETS THAT DO NOT MATCH THE PARAGRAPH 4 DESCRIPTIONS, THE ACTIVITY SHOULD NOTIFY THE STINGER IN-SERVICE ENGINEERING AGENT (ISEA) FOR FURTHER INSTRUCTIONS.

DURING ANY PHYSICAL INSPECTION, IF THE OUTER FIBER BOX LABEL APPEARS TO BE INCORRECT (THE SERIAL NUMBER INDICATES AN NSN AND/OR PART NUMBER DIFFERENT FROM THE PARA 4 DESCRIPTIONS), THE OUTER BOX WILL BE OPENED AND THE INNER BARRIER BAG LABEL CHECKED.

(NOTE: THE CONTENTS WITHIN THE BARRIER BAG ARE DESICATED TO PREVENT EXCESSIVE MOISTURE. DO NOT OPEN THE BARRIER BAG UNLESS THE GRIPSTOCK IS TO BE USED). IF THE INNER LABEL IS DIFFERENT FROM THE OUTER LABEL, BUT CORRESPONDS TO THE PARA 4 DESCRIPTIONS, THE OUTER LABEL WILL BE CORRECTED AND THE OUTER FIBER BOX CLOSED AND SEALED. IF THE BARRIER BAG LABEL NSN AND MODEL NUMBER MATCH THOSE ON THE OUTER FIBER BOX LABEL, THEN EITHER THE MARKINGS OR THE SERIAL NUMBER IS INCORRECT. THE OUTER BOX WILL BE CLOSED AND SEALED. THE QUESTIONABLE ASSET WILL BE LOCALLY DOWNGRADED TO C/C E; REQUIRES INSPECTION TO DETERMINE CORRECT DODIC; DEFECT CODE JAAA5F.

POC FOR TECHNICAL QUESTIONS REGARDING SUBJECT AIN: STINGER ISEA, MR. RUSTY PARSONS, NAVAL SURFACE WARFARE CENTER, CODE 6064 BUILDING 3218, 300 HIGHWAY 361,

CRANE, IN 47522, DSN 482-5340 OR COMMERCIAL (812) 854-5340.

AMMO INFO NOTICE 009-2000:

SUBJ: HANDLING AND USE OF SIMULATOR, PROJECTILE, GROUND BURST; M115A2 (1370-L594) AND SIMULATOR, FLASH, ARTILLERY; M110 (1370-L596)

REF CDRIOC ROCK ISLAND IL 201547Z OCT 99.

THIS AIN SUPERSEDES NOC AIN 047-99 (DTG 101945Z AUG 99).

THIS AIN WILL BE PROVIDED TO ALL UNITS AND PERSONNEL INVOLVED IN HANDLING AND FIRING OF SUBJECT SIMULATORS.

AMMUNITION SUPPLY POINTS AND DIVISION AMMUNITION OFFICES SHOULD ENSURE THAT THESE ITEMS ARE NOT INTERCHANGED FOR ISSUE OR "IN LIEU OF". UNITS ARE EXPERIENCING CONFUSION INVOLVING THE USE AND HANDLING OF THE M115A2 AND THE M110 ARTILLERY SIMULATORS. THESE TWO SIMULATORS FUNCTION AND ARE EMPLOYED DIFFERENTLY. IMPROPER USE OF THESE SIMULATORS MAY RESULT IN SERIOUS INJURY OR DEATH.

THE M115A2 (1370-L594) IS A SIMULATOR, PROJECTILE, GROUND BURST. THE BODY OF THE SIMULATOR IS MADE OF KRAFT PAPER AND IS USED TO SIMULATE INCOMING ARTILLERY. THE SIMULATOR IS FUNCTIONED BY MEANS OF A MANUAL PULL RING, AFTER WHICH THE ITEM IS THROWN. AFTER THE SIMULATOR IS INITIATED, THERE IS A SIX TO TEN SECOND DELAY, FOLLOWED BY A TWO TO FOUR SECOND WHISTLING SOUND, THEN A FLASH AND BANG.

THE M110 (L596) IS A SIMULATOR, ARTILLERY, FLASH. THE BODY OF THE SIMULATOR IS MADE OF BLACK PLASTIC AND IS DESIGNED TO SIMULATE ARTILLERY MUZZLE FLASHES. THE SIMULATOR IS FILLED WITH APPROXIMATELY ONE QUARTER CUP GASOLINE (TO ENHANCE BLAST AND FLASH EFFECTS) PRIOR TO SETUP, IS ELECTRICALLY INITIATED AND FUNCTIONS INSTANTANEOUSLY WHEN CURRENT IS APPLIED TO THE ELECTRIC SQUIB. THIS SIMULATOR IS A DANGEROUS, FRAGMENT PRODUCING MUNITION.

TM 9-1370-207-10, (PYROTECHNIC SIMULATORS, OPERATORS MANUAL, MAR 91) REQUIRES ADDITIONAL SAFETY PRECAUTIONS FOR USE OF THE M110 SIMULATOR, ARTILLERY, FLASH. FIRST, A LOCALLY FABRICATED FIRING TUBE WITH A WELDED THREE QUARTER INCH STEEL BASE IS REQUIRED FOR FIRING THE SIMULATOR. THIS FIRING TUBE IS TO BE PLACED INTO THE GROUND PRIOR TO USE. INDIVIDUALS FIRING/INITIATING THE SIMULATOR MUST BE AT LEAST 50 YARDS FROM THE FIRING SITE AND UNDER COVER. ALL OTHER INDIVIDUALS WITHIN 50 YARDS OF THE FIRING SITE MUST ALSO BE UNDER COVER.

AN ADDITIONAL HAZARD ASSOCIATED WITH THE M110 SIMULATOR, ARTILLERY, FLASH. DURING FIRINGS, THE M110 HAS ACTED LIKE A ROCKET AND LAUNCHED ITSELF OVER 100 FEET AND STARTED FIRES. IT IS RECOMMENDED THAT THE FOLLOWING PRECAUTIONS BE ADHERED TO:

(A) IF A SIMULATOR MALFUNCTIONS, IT MAY LAUNCH FROM THE FIRING TUBE OR PROJECT PLASTIC PIECES BEYOND THE 50 YARD SAFETY ZONE. FOR THIS REASON, THE FIRING TUBE MUST BE POINTED AWAY FROM PERSONNEL AND TOWARDS A CLEAR AREA.

(B) THE 50 YARD SAFETY ZONE SHOULD BE FREE OF DRY GRASS OR VEGETATION THAT COULD IGNITE AND START BRUSH FIRES.

AMMO INFO NOTICE 010-2000:

SUBJ: STINGER MISSILE SYSTEM MISFIRE/HANGFIRE DISPOSAL (1427-PL41, PL87, PL88, PL89, PL90, PL93, PL94, PL95)

THIS AIN SUPERSEDES SPCC AIN 027-90 (DTG 031750ZAUG90).
INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL
UNITS FIRING STINGER MISSILE SYSTEMS. IT IS IMPERATIVE THAT
ALL PERSONNEL ARE AWARE OF MISFIRE PROCEDURES
CONTAINED IN TM 9-1425-429-12 AND TM 9-1425-433-10 TO
ENSURE THE SAFETY OF PERSONNEL AND EQUIPMENT.

A MISFIRED MISSILE IS NOT SUITABLE FOR STORAGE
OR TRANSPORTATION, EXCEPT THAT NEEDED FOR DISPOSAL BY EOD OR
DEMIL PERSONNEL. THE MISSILE MUST BE HELD UNDER
SECURE STORAGE OR UNDER SURVEILLANCE UNTIL DISPOSAL
BY EOD OR DEMIL PERSONNEL. MISSILES WILL NOT BE RETURNED TO
THE ASP FOR STORAGE. LOCAL DISPOSAL OF THE
MISFIRED MISSILE IS AUTHORIZED AND REQUIRED.

AMMO INFO NOTICE 012-2000:

SUBJ: CARTRIDGE, 5.56 MM,M856 TRACER ERRATIC FLIGHT (1305-A064)

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

REQUEST THIS AIN BE PASSED TO ALL PERSONNEL/UNITS
USING THE SUBJECT AMMUNITION AND M249 MACHINE GUN.

THE PURPOSE OF THIS AIN IS TO NOTIFY THE FIELD OF A
POSSIBLE PROBLEM OF ERRATIC FLIGHT OF SUBJECT AMMUNITION
WITH THE M249 MACHINE GUN WITH BARRELS HAVING ROUND COUNTS
GREATER THAN 8,000 ROUNDS. IN SOME M249 WEAPONS, THE ARMY HAS
FOUND THAT THE M856 TRACER CARTRIDGES HAVE EXHIBITED ERRATIC
FLIGHT, I.E. WIDER THAN NORMAL DISPERSION IN BOTH HORIZONTAL AND
VERTICAL DIRECTIONS. NO ERRATIC FLIGHTS HAVE BEEN
NOTICED IN M855 BALL AMMUNITION FIRING.

THE OBSERVED ERRATIC FLIGHTS WERE DETERMINED TO BE WITHIN
REQUIRED SAFETY ZONE WHEN THESE ROUNDS ARE FIRED IN NORMAL
TRAINING AND COMBAT SCENARIOS.

IN ORDER TO FULLY EVALUATE THE PROBLEM, ALL INSTANCES OF
ERRATIC FLIGHT, WHETHER OR NOT DETERMINED TO BE A RESULT
OF WEAPON DEFICIENCY, MUST BE REPORTED. STUDIES
ARE ONGOING TO REDUCE OR ELIMINATE THIS PROBLEM. TO OBTAIN
MORE DETAILED INFORMATION ON THE EXTENT OF THE
ERRATIC FLIGHT PROBLEM, FIRING UNITS ARE TO SUBMIT
MALFUNCTION/DEFICIENCY REPORTS IAW MCO 8025.1D AND TO INCLUDE
ADDITIONAL DATA LISTED BELOW, ENSURING ALL PERTINENT
INFORMATION IS GATHERED BY PERSONNEL AT INCIDENT SITE
WHEN OCCURRENCES OF ERRATIC FLIGHT ARE ENCOUNTERED.

THE FOLLOWING ADDITIONAL INFORMATION IS REQUIRED IN
NEW PARAGRAPH 8 OF MCO 8025.1D

- (A) LOCATION OF INCIDENT.
- (B) WEATHER CONDITIONS, INCLUDING
TEMPERATURE, HUMIDITY, WIND SPEED AND
DIRECTION: I.E., N-S-W-E, ETC:
- (C) HOW ERRATIC FLIGHT WAS OBSERVED -
OBSERVED BY: ERRATIC TRACER FLIGHT,
KEYHOLING OR LACK OF HOLE ON PAPER TARGET,
LOSS OF TRACER SIGNATURE, DUST/DIRT/WATER
KICK-UP, FOLIAGE MOVEMENT, OR SOUND.
- (D) CONDITION OF BORE: DATE/PURPOSE
OF LAST MAINTENANCE: ESTIMATION OF ROUND
COUNT/AGE OF BARREL: APPROXIMATE
BARREL EROSION GAGE READING.

SUBMIT COMPLETED REPORT PER MCO 8025.1D.

AMMO INFO NOTICE 015-2000:

SUBJ: SIGNAL SMOKE AND ILLUMINATION, MARINE, MK 99 MOD 3
(1370-L273)

THIS AIN SUPERSEDES SPCC AIN 009-92 (111935Z MAR 92).
PROTECTIVE CAPS MAY BE TIGHT AND DIFFICULT
TO REMOVE DUE TO PERMANENT O-RING SEATING. PROTECTIVE CAP

MAY BE LOOSENED AND SIGNAL RESEALED PRIOR TO MISSION. THE PROTECTIVE CAP AND SAFETY CLIP SHOULD REMAIN ATTACHED TO THE SIGNAL DURING STORAGE, STOWAGE AND TRANSPORTATION. THE PROTECTIVE CAP AND SAFETY CLIP SHOULD ONLY BE REMOVED PRIOR TO USE OR DURING INSPECTION.

BEFORE AND AFTER USAGE OF SIGNAL, RECOMMEND SIGNAL PROTECTIVE CAP AND SAFETY CLIP BE REMOVED AND SIGNAL INSPECTED FOR SALT WATER INTRUSION OR CORROSION ON STRIKER. IF CORROSION IS IDENTIFIED ON THE STRIKER, SET SIGNAL ASIDE AND MARK FOR DISPOSAL. USE OF A SIGNAL WITH CORROSION ON THE STRIKER MAY RESULT IN AN EXPLOSIVE INCIDENT RESULTING IN PERSONAL INJURY.

IF SALT WATER IS IDENTIFIED ON STRIKER AFTER USAGE, RINSE SIGNAL WITH FRESH WATER AND DRY PRIOR TO STORAGE OR STOWAGE. STRICT ADHEREANCE TO PROCEDURES CONTAINED IN SW050-AB-MMA-010 IS STRESSED.

AMMO INFO NOTICE 017-2000:

SUBJ: FIRING DEVICE,DEMOLITION,M142 (1375-ML03)

THIS AIN SUPERSEDES NOC IMSD AIN 011-97 (161935Z SEP 97).

A COPY OF THIS AIN SHALL BE PROVIDED TO THE USER UPON ISSUANCE OF DODIC ML03 TO ALL UNITS.

RECENT U.S. ARMY FUNCTION TEST RESULTS INDICATE THAT SUBJECT DEMOLITION FIRING DEVICE CAN FUNCTION WITH MINIMUM OF 11 POUNDS IN THE PRESSURE MODE, AND A RECENT NAVY FUNCTION TEST INDICATES THAT SUBJECT DEMOLITION FIRING DEVICE CAN FUNCTION AS HIGH AS 3.9 POUNDS IN THE PRESSURE RELEASE MODE AND AS LITTLE AS 3.5 POUNDS IN THE PULL MODE. ACCORDINGLY, THE FOLLOWING ADDITIONAL INSTRUCTIONS SHALL BE ADHERED TO:

- (A) WHEN USING M142 FIRING DEVICE IN THE PRESSURE MODE, ASSURE OBJECT USED AS PRESSURE PLATE WEIGHS LESS THAN 9 POUNDS.
- (B) WHEN USING THE M142 FIRING DEVICE IN THE PULL MODE, APPLY LESS THAN 2 POUNDS PULL TO TIGHTEN THE TRIPWIRE.
- (C) WHEN USING THE M142 FIRING DEVICE IN THE PRESSURE RELEASE MODE, APPLY AT LEAST 5 POUNDS, BUT NOT MORE THAN 150 POUNDS TO SET THE DEVICE.
- (D) FOR ALL MODES, IF SAFETY PIN RESISTS MOVEMENT DO NOT, REPEAT DO NOT WITHDRAW. FIRING PIN MAY HAVE BEEN RELEASED. RECHECK ASSEMBLY. DISASSEMBLE AND RESET AS NECESSARY IN ACCORDANCE WITH TM 9-1375-213-12.
- (E) FOR ALL MODES, INDIVIDUAL REMOVING SAFETY PIN WILL TAKE COVER AND USE A LANYARD (LENGTH OF WIRE OR CORD) TO REMOVE SAFETY PIN.

APPLICATION OF FIRING DEVICE IN THE TENSION RELEASE MODE IS NOT AFFECTED BY THIS AIN. THE USER INSTRUCTIONS FOR THIS MODE ARE CORRECT AS ISSUED. EXTREME CARE MUST BE TAKEN WHEN THE DEVICES ARE BEING SET WITH HIGH EXPLOSIVES. USERS MUST ADHERE TO ALL REMAINING SAFETY AND SETTING INSTRUCTIONS OF TM 9-1375-213-12 (OPERATOR AND ORGANIZATIONAL MAINTENANCE MANUAL), NAVSEA SWO60-AA-MMA-010 (TECH MANUAL DEMOLITION MATERIALS) AND USER INSTRUCTIONS PACKED WITH THE M142 FIRING DEVICES.

A COPY OF THIS AIN WILL BE INSERTED INTO THE FOLLOWING MANUALS: NAVSEA SWO60-AA-MMA-010, TM 9-1375-213-12, FM 20-32, AND TM 43-0001-38.

AMMO INFO NOTICE 018-2000:

SUBJ: CORROSION ON THE REAR SHEAR PIN IN THE CURRENT M819 RED PHOSPHOROUS (RP) SMOKE CARTRIDGE STOCKS (1315-C870)

THIS AIN APPLIES TO MARINE CORPS ASSETS ONLY.
A COPY OF THIS AIN WILL BE ISSUED FOR USE BY
INDIVIDUALS/UNITS FIRING 81MM M819 RP SMOKE CARTRIDGES.
EXCESSIVE AMOUNT OF CORROSION DEVELOPING ON THE REAR
SHEAR PIN OF M819 CARTRIDGES COULD CAUSE PROBLEMS
DURING FIRING SUCH AS STUCK ROUNDS, HANGEFIRES, OR
MISFIRES. REMOVE THE EXCESSIVE CORROSION PRIOR TO FIRING
USING THE FUZE SETTING TOOL OR ANY APPROPRIATE TOOL AVAILABLE.
AVOID TOUCHING THE CORROSION BY HAND OR INHALING THE CORROSION
RESIDUE.

AMMO INFO NOTICE 019-2000:

SUBJ: WARNING OF SHORT EXPECTED RANGE TO BURST IN CURRENT
M853A1 ILLUMINATION CARTRIDGE STOCKS (1315-C871)

A COPY OF THIS AIN WILL BE ISSUED FOR USE BY INDIVIDUALS/
UNITS FIRING 81MM M853A1 ILLUMINATION CARTRIDGES.

DUE TO LOW MUZZLE VELOCITIES, THE CURRENT M853A1 STOCKS
CANNOT BE EXPECTED TO PRODUCE THE RANGE TO BURST INDICATED
IN FIRING TABLE FT 81-AR-2.

AT CHARGE 1, THE AVERAGE RANGE TO BURST AT 800 MILS
WOULD BE 70 METERS SHORT OF THE EXPECTED VALUE AND 160 METERS
IN THE WORST CASE. USERS SHOULD USE A HIGHER CHARGE TO ACHIEVE
THE DESIRED RANGE TO BURST.

AT CHARGE 4, THE AVERAGE RANGE TO BURST AT 800 MILS WOULD
BE 180 METERS SHORT OF THE EXPECTED VALUE AND 260 METERS IN
THE WORST CASE.

AMMO INFO NOTICE 021-2000:

SUBJ: PROPELLANT AND PROPELLING CHARGES MANAGEMENT

THIS AIN SUPERSEDES NOC IMSD AINS 008-99/024-95/003-87/
011-90 (DTGS 081935Z DEC 98, 071935Z JUL 95, 211945Z NOV 86,
AND 011925Z MAR 90).

THIS AIN APPLIES TO US MARINE CORPS STOCK ONLY.
DISTRIBUTE INFORMATION IN THIS AIN TO ALL NAVY AND USMC
ORGANIZATIONS MANAGING OR STORING PROPELLANT.

THE MARINE CORPS AND OTHER SERVICES MONITOR THE CHEMICAL
STABILITY OF STORED PROPELLANT. TESTING OCCASIONALLY
IDENTIFIES AMMUNITION LOTS THAT HAVE HAZARDOUS STABILIZER LOSS
AND ARE NO LONGER SAFE FOR CONTINUED STORAGE. WHEN USMC
AMMUNITION (OT COG CLASS V (W) MATERIEL) IS SO
IDENTIFIED, NOTICES OF AMMUNITION RECLASSIFICATION (NARS) ARE
ISSUED IAW TW024-AA-ORD-010 AMMUNITION UNSERVICEABLE,
SUSPENDED

AND LIMITED USE. SUBJ NARS WILL INCLUDE A TIME LIMIT BEFORE
WHICH THE PROPELLANT MUST BE DESTROYED. IAW CFR 40 DTD
12 AUG 97 (TITLE 40 PROTECTION OF THE ENVIRONMENT SUBPART M
WHEN MILITARY MUNITIONS BECOME SOLID AND HAZARDOUS
WASTE SUBJECT TO REGULATION) AND MRIP DTD 01 JUL 97 (THE DOD
MUNITIONS RULE IMPLEMENTATION POLICY, ESTABLISHED THE
DESIGNATED DISPOSITION AUTHORITY (DDA) PROCESS FOR EXCESS AND
UNSERVICEABLE MUNITIONS). THESE ITEMS BECOME HAZARDOUS WASTE
IMMEDIATELY UPON NAR ISSUANCE AND MUST BE MANAGED IAW
MRIP DTD 01 JUL 97.

ACCORDINGLY, STORING ACTIVITIES MUST REQUEST DISPOSITION
INSTRUCTIONS FROM THE USMC DESIGNATED DISPOSITION AUTHORITY
(DDA). THE DDA WILL EVALUATE AVAILABLE OPTIONS AND PROVIDE
COORDINATED DISPOSITION INSTRUCTIONS. REQUESTS MAY BE
SUBMITTED VIA EITHER E-MAIL TO DDA@MCSC.USMC.MIL
OR NAVAL MSG TO COMMARCORSYSCOM QUANTICO VA//AM-EES//.
REQUESTS FOR CLASS V(A) AVIATION ASSETS WILL BE ADDRESSED
TO THE COGNIZANT PROGRAM MANAGER. ALL
REQUESTS SHALL CONTAIN THE FOLLOWING INFORMATION:

(A) DODIC

- (B) NOMENCLATURE
- (C) QUANTITY
- (D) CONDITION CODE
- (E) APPLICABLE NAR, AIN, OR REASON(S)
PROMPTING LOCAL CONDITION CODE CHANGE.
- (F) ANY OTHER INFORMATION PERTINENT
TO THE REQUEST (I.E., AVAILABILITY OF
STORAGE UNDER CONDITIONAL EXEMPTION (CE),
RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)
PERMITTED TREATMENT FACILITY STATUS, ETC.).
LOOSE, MIXED, CUT, WET, OR OTHERWISE SUSPECT PROPELLING
CHARGES OR PROPELLANT.

(A) STORAGE ACTIVITIES MANAGING USMC PROPELLING
CHARGES OR PROPELLANT THAT MAY BE SUSPECT WILL
INITIALLY CONTACT EOD FOR DETERMINATION WHETHER
AN EMERGENCY RESPONSE OR IMMINENT AND SUBSTANTIAL
ENDANGERMENT EXISTS, GOVERNED BY MRIP DTD 01 JUL
97, CHAPTER 9. IF EOD DETERMINES SUSPECT
PROPELLING CHARGES OR PROPELLANT ARE SAFE TO
STORE AND TRANSPORT, THE STORAGE ACTIVITY
WILL REQUEST MUNITIONS DISPOSITION
INSTRUCTIONS FROM THE USMC DDA WITHIN 3 DAYS
OF EOD DETERMINATION.

(B) SUSPECT PROPELLING CHARGES OR PROPELLANT INCLUDE:

- (1) CHARGES OR PROPELLANT REMOVED FROM CARTRIDGE
AMMUNITION, COMMONLY REFERRED TO AS AN "ALL UP
ROUND."
- (2) EXCESS CHARGES REMOVED FROM PROPELLING CHARGE
ASSEMBLIES (CUT CHARGES).
- (3) PROPELLANT CHARGES THAT ARE LEAKING OR THAT CAN
NOT BE IDENTIFIED TO INCLUDE PROPELLING CHARGES
THAT ARE "MIXED" OR "UNKNOWN."
- (4) PROPELLING CHARGES THAT ARE CONTAMINATED,
LOOSE, MIXED, WET, SOAKED, OR MOLDY.

LESSONS LEARNED FROM SIMILAR NAR ACTIONS INCLUDE:
COMPLETION OF HAZARDOUS WASTE (HW) MANIFEST MUST BE
COORDINATED

WITH BOTH SHIPPING AND RECEIVING INSTALLATION ENVIRONMENTAL
OFFICES PRIOR TO SHIPMENT; FOR CONTINUITY AND RECORD KEEPING
PURPOSES, INSTALLATION ENVIRONMENTAL OFFICE PERSONNEL
AUTHORIZED TO SIGN FOR HW MANIFEST SHOULD SIGN AT BOTH
SHIPPING AND RECEIVING INSTALLATIONS; TREATMENT MUST BE
ACCOMPLISHED WITHIN THE TIME PARAMETERS SPECIFIED IN THE
DISPOSITION INSTRUCTIONS; TRANSPORTATION COORDINATION SHOULD
BE ACCOMPLISHED BY RESPECTIVE INSTALLATION TMO OFFICES SINCE
CARRIERS HAVE TO MEET EPA AND DOT HW AND EXPLOSIVES
TRANSPORTATION LICENSING REQUIREMENTS.

DOCUMENTATION TO INCLUDE:

THE APPLICABLE NAR; DDA'S MUNITIONS DISPOSITION
INSTRUCTIONS; DODIC; AND QUANTITY WILL BE MAINTAINED BY THE
SHIPPING STORAGE ACTIVITY FOR A MINIMUM OF THREE YEARS.

THE USMC MUNITIONS MANAGEMENT POLICY MSG FOR UNSERVICEABLE
AND WASTE CLASS V (W) MATERIEL (DTG 151237Z NOV 99
COMMARCORSSYSCOM) AMPLIFIES CURRENT USMC MUNITIONS
MANAGEMENT

POLICY FOR UNSERVICEABLE AND WASTE CLASS V (W) MATERIEL.
REQUEST DIRECT ALL QUESTIONS REGARDING THIS POLICY TO THE USMC
DDA, MR. T. L. CHIAPELLO, COMMARCORSSYSCOM (AM-EES),

DSN: 278-9475, COMM: (703) 784-9475, FAX: (703) 784-9496.

AMMO INFO NOTICE 022-2000:

SUBJ: SIGNAL, SMOKE AND ILLUMINATION, MARINE, MK 66 MOD 2, MK 117 MOD 2, MK 118 MOD 2, MK 120 MOD 1 AND MK 121 MOD 1 (1370-L259, L260, L266, L269, L271)

DUE TO RECENT INCIDENTS INVOLVING DODIC L259 (MK 120 MOD 1) AND DODIC L269 (MK 117 MOD 2) SIGNALS, OPERATOR LEVEL REVIEW OF THE SAFETY, HANDLING AND OPERATING PROCEDURES FOR THE SUBJECT ITEMS IS NECESSARY. ALL USERS OF THE SUBJECT MUNITIONS SHALL READ THIS AIN AND REFERENCED DOCUMENTS.

SAFETY PRECAUTIONS FOR THE USE OF THE SUBJECT DEVICES ARE CONTAINED IN SECTION 7-4 OF NAVSEA SW050-AB-MMA-010 (PYROTECHNIC, SCREENING, MARKING AND COUNTERMEASURE DEVICES, DESCRIPTION, OPERATION AND MAINTENANCE). STRICT ADHERANCE TO THE SAFETY, HANDLING, OPERATING AND LOADING PROCEDURES CONTAINED IN NAVSEA SW050-AB-MMA-010 IS STRESSED. FAILURE TO FOLLOW THE PROPER PROCEDURES COULD RESULT IN SERIOUS EQUIPMENT DAMAGE AND/OR PERSONNEL INJURY.

THE FOLLOWING INFORMATION IS REITERATED:

- (A) DO NOT REMOVE THE PROTECTIVE CAP UNTIL READY TO LOAD THE DEVICE INTO THE LAUNCHER.
- (B) DO NOT REMOVE THE RED-TAGGED SAFETY TAB UNTIL THE DEVICE HAS BEEN FULLY LOADED BEYOND THE DETENT IN THE LAUNCHER BARREL.
- (C) IF THE RED-TAGGED SAFETY TAB IS ACCIDENTALLY REMOVED BEFORE OR DURING LOADING AND THE TRIP LEVER IS IN THE READY POSITION, REPOSITION SPRING TABS, SAFETY FLAP (L BRACKET), AND PROTECTIVE CAP. TAPE DOWN THE PROTECTIVE CAP AND MARK THE UNIT FOR EOD DISPOSAL.
- (D) THE PROTECTIVE CAP BY DESIGN WILL SHUNT THE SQUIBS AND OPEN THE BATTERY CIRCUITRY. IF FOR SOME REASON THE SAFETY FLAP IS DAMAGED AND CANNOT BE REPOSITIONED, REPLACE THE PROTECTIVE CAP AND TAPE DOWN SECURELY. MARK THE UNIT FOR EOD DISPOSAL AND SEGREGATE FROM SERVICEABLE UNITS

WARNING: DO NOT ATTEMPT TO LOAD AN ARMED DEVICE. IGNITION OF THE DEVICE IN THE LAUNCHER CAN RUPTURE THE LAUNCHER.

- (E) IF THE FUZE IS ACCIDENTALLY ARMED, IMMEDIATELY REPOSITION SPRING TABS, SAFETY FLAP, AND PROTECTIVE CAP. TAPE DOWN THE PROTECTIVE CAP AND MARK THE UNIT FOR EOD DISPOSAL.

THE FOLLOWING IS STRESSED:

- (A) THE SAFETY FLAP (L BRACKET) IS PART OF THE SAFETY MECHANISM OF THE SIGNAL AND SHALL NOT BE REMOVED. IF THE SAFETY FLAP (L BRACKET) IS MISSING OR REMOVED DO NOT ATTEMPT TO UPLOAD THE SIGNAL. SET THE SIGNAL ASIDE AND PREPARE FOR DISPOSITION AS INSTRUCTED IN NAVSEA SW050-AB-MMA-010.
- (B) VISUAL INSPECTION SHALL BE CONDUCTED ON EACH UNIT PRIOR TO USE. IF ANY PARTS APPEAR TO MISSING, BROKEN OR OTHERWISE ABNORMAL, SET SIGNAL ASIDE AND PREPARE FOR DISPOSITION AS INSTRUCTED IN NAVSEA SW050-AB-MMA-010. IF ANY OF THESE ABNORMALITIES ARE NOTED, IMMEDIATE FILE

AMMO INFO NOTICE 025-2000:

A CODR/EMR IN ACCORDANCE WITH OPNAV
INSTRUCTIONS 5102.1C AND 5100.21A

SUBJ: DRAGON MISSILE FORWARD BUMPER SEPARATION, DESSICANT
HOUSING COVER INSPECTION AND BIPOD MOUNTING PLATE INSPECTION
(142
7-PL23,PM80)/

A COPY OF THIS AIN SHALL BE PROVIDED TO ALL PERSONNEL/UNITS
UPON ISSUANCE OF DRAGON MISSILES.

RECENT TEST AND EVALUATION OF THE DRAGON MISSILE STOCKPILE
REVEALED ANOMALIES INVOLVING FORWARD BUMPER SEPARATION,
MISSING NYLON SCREWS FROM DESICCANT CONTAINER COVER, AND BIPOD
MOUNTING PLATE DELAMINATION. THE INSPECTIONS IN THIS AIN ARE
INTENDED TO SUPPLEMENT THE INSTRUCTIONS IN TM-9-1425-484-10
(OPERATORS MANUAL FOR DRAGON WEAPON GUIDED MISSILE SYSTEM).
USERS MUST CONTINUE TO ADHERE TO ALL SAFETY PRECAUTIONS AND
PROCEDURES OUTLINED IN TM-9-1425-484-10 WHEN HANDLING AND
FIRING DRAGON MISSILES. THE FOLLOWING INSPECTIONS SHOULD BE
PERFORMED AFTER REMOVING THE DRAGON MISSILE FROM ITS OVERPACK
AND PRIOR TO MOUNTING OF THE TRACKER TO THE MISSILE LAUNCH
TUBE OR DURING RE-DESSICANT MAINTENANCE OPERATIONS. PRIOR
TO MOUNTING OF THE TRACKER TO THE MISSILE LAUNCH TUBE,
POSITION THE MISSILE SUCH THAT THE FORWARD END OF THE MISSILE
IS FACING THE IMPACT AREA, AND THE AFT OF THE MISSILE IS
CLEAR OF PERSONNEL, EQUIPMENT, AND OTHER HAZARDS IN THE
EVENT OF ACCIDENTAL MISSILE LAUNCH.

FORWARD BUMPER SEPARATION: THE FORWARD BUMPER ON SOME
MISSILES CAN SEPARATE FROM THE DESSICANT CONTAINER HOUSING.
WHEN THE BIPOD IS PUSHED FORWARD TO RELEASE AND EJECT THE
FORWARD SHOCK ABSORBER, THE DESSICANT CONTAINER HOUSING MAY
POSSIBLY REMAIN IN THE LAUNCH TUBE. THIS CAN CREATE AN UNSAFE
FIRING CONDITION CAUSING INJURY TO THE GUNNER AND NEARBY
PERSONNEL IF THE MISSILE IS LAUNCHED. SEE INSPECTION
PROCEDURES OUTLINED BELOW.

(A) AFTER THE BIPOD HAS BEEN RELEASED AND
THE FORWARD BUMPER HAS BEEN EJECTED, IT IS
IMPERATIVE THAT THE GUNNER INSPECT THE
FORWARD END OF THE LAUNCH TUBE TO VERIFY THE
MISSILE NOSE CONE IS VISIBLE. REMOVE
THE DESSICANT CONTAINER HOUSING FROM THE
FORWARD END OF THE LAUNCH TUBE IF IT
SEPARATES FROM THE FORWARD BUMPER.

(B) IN THE EVENT THE MISSILE IS NOT
GOING TO BE FIRED AND THE FORWARD BUMPER HAS
SEPARATED FROM THE DESSICANT CONTAINER HOUSING,
INSTALL A SERVICEABLE FORWARD BUMPER FROM AN
EXPENDED MISSILE. THE MISSILE MUST NOT BE
RETURNED TO STORAGE OR TRANSPORTED WITHOUT A
SERVICEABLE FORWARD BUMPER.

MISSING NYLON SCREWS FROM DESSICANT CONTAINER COVER: THERE
ARE TWO TYPES OF DESSICANT COVERS FOUND ON THE INNER SIDE OF
THE FORWARD BUMPER. THE FIRST IS A PLASTIC COVER THAT SNAPS
OVER THE DESSICANT HOUSING. THE OTHER TYPE, WHICH PRESENTS A
SAFETY HAZARD, USES FOUR NYLON SCREWS TO ATTACH THE COVER TO
THE HOUSING. THE NYLON SCREWS MAY BECOME DISLODGED FROM THE
DESSICANT CONTAINER COVER AND INTO THE MISSILE LAUNCH TUBE IN
A WAY THAT WOULD PREVENT THE MISSILE FROM EJECTING THE LAUNCH
TUBE. IF THE MISSILE FAILS TO LAUNCH, THE TUBE AND GUNNER COULD
BE PROPELLED FORWARD CAUSING INJURY OR DEATH TO THE GUNNER AND
PERSONNEL WITHIN THE BLAST RANGE OF THE MISSILE. SEE INSPECTION

PROCEDURES OUTLINED BELOW.

- (A) REMOVE FORWARD BUMPER. SOME OF THE DRAGON MISSILES USE FOUR NYLON SCREWS TO SECURE THE DESICCANT CONTAINER COVER. MISSILES WITH THIS CONFIGURATION SHOULD NOT HAVE OPEN SCREW HOLES OR LOOSE SCREWS ON THE DESICCANT CONTAINER COVER.
- (B) INSPECT AND VERIFY THE FOUR NYLON SCREWS USED TO FASTEN THE DESICCANT CONTAINER COVER TO THE HOUSING ARE IN PLACE. IF THERE ARE OPEN SCREW HOLES, VERIFY NO LOOSE SCREWS ARE PRESENT IN THE MISSILE BODY AND INNER CIRCUMFERENCE OF THE LAUNCH TUBE BY CAREFULLY TILTING THE FORWARD END OF THE MISSILE DOWNWARD AWAY FROM PERSONNEL OR EQUIPMENT. IF ALL MISSING SCREWS CANNOT BE RETRIEVED DURING THIS OPERATION, MISSILE IS UNSERVICEABLE, DO NOT ISSUE OR ATTEMPT TO FIRE. THE MISSILE SHOULD BE DOCUMENTED AS UNSERVICEABLE, POSSIBLE LOOSE INTERNAL COMPONENTS, BLOCKAGE IN LAUNCHER, AND RETURNED TO ASP FOR DISPOSITION IN ACCORDANCE WITH LOCAL PROCEDURES.

BIPOD MOUNTING PLATE DELAMINATION: THE BIPOD MOUNTING PLATE IS A BRACKET ATTACHED TO THE MISSILE LAUNCH TUBE WHICH HOUSES AND LOCKS THE BIPOD FORWARD BRACE IN POSITION WHEN THE BIPOD IS FULLY EXTENDED. THERE ARE TWO METHODS USED TO SECURE THE BIPOD MOUNTING PLATES TO THE MISSILE LAUNCH TUBE. ONE ADHERES THE MOUNTING PLATE TO THE LAUNCH TUBE, THEN USES RIVOTS FOR ADDED REINFORCEMENT. THE OTHER METHOD USES ADHESIVE ONLY. BIPOD MOUNTING PLATES USING ADHESIVE ONLY HAVE SHOWN DELAMINATION PROBLEMS. DELAMINATION MAY CAUSE THE BIPOD TO COLLAPSE, AND THE GUNNER TO LOSE CONTROL OF THE MISSILE DURING LAUNCH EFFECTS AND RESULT IN PREMATURE DETONATION OR POSSIBLE INJURY TO PERSONNEL WITHIN IMMEDIATE AREA. BIPOD DELAMINATIONS MAY BECOME A CRITICAL DEFECT DUE TO THE SAFETY HAZARD TO THE GUNNER AND NEARBY PERSONNEL UPON FIRING. SEE INSPECTION PROCEDURES OUTLINED BELOW.

- (A) ROLL LAUNCH TUBE SO THAT BIPOD MOUNTING PLATE CAN BE EASILY VIEWED.
- (B) INSPECT BIPOD MOUNTING PLATE FOR SIGNS OF DELAMINATION - SEPARATION OF THE BIPOD MOUNTING PLATE FROM THE SURFACE OF THE MISSILE LAUNCH TUBE. CLOSE ATTENTION SHOULD BE GIVEN TO THE TOP AND BOTTOM OUTER EDGES OF THE MOUNTING PLATE. IF THE SEPARATION BETWEEN THE MOUNTING PLATE AND LAUNCH TUBE IS INCREASED WHEN PRESSURE IS APPLIED TO THE MOUNTING PLATE, THE MISSILE IS UNSERVICEABLE, DO NOT ISSUE OR ATTEMPT TO FIRE. THE MISSILE SHOULD BE DOCUMENTED AS UNSERVICEABLE - DEFECTIVE BIPOD MOUNTING PLATE, AND RETURNED TO ASP FOR DISPOSITION IN ACCORDANCE WITH LOCAL PROCEDURES.

MALFUNCTION/DEFECT REPORTING: A DEFECT REPORT, REQUIRED BY MCO 8025.1D CLASS V(W) MALFUNCTION AND DEFECT REPORTING DTD 26 OCT 99, SHALL BE COMPLETED IF ANY DEFECTS DESCRIBED IN THIS AIN (OR ANY OTHER DEFECTS) ARE OBSERVED.

A COPY OF THIS AIN WILL BE INSERTED INTO THE FOLLOWING MANUALS: TM-9-1425-484-10.

SUBJ: CLARIFICATION
FOR LAUNCHERS REWORKED BY NSWC IHDIV (1340-H121,H122)
THIS IS NOT A SAFETY ISSUE. A CONTRACTOR DEFECT CAUSED

AMMO INFO NOTICE 028-2000:

THE SAFETY SWITCH TO "STICK" IN THE SAFE POSITION, THE LAUNCHER WILL NOT FIRE AFTER THE SAFETY PIN AND FLAG ASSEMBLY WAS REMOVED FROM THE SAFETY SWITCH. THE RUBBER ENVIRONMENTAL COVER

ON THE SAFETY SWITCH IS TOO STIFF AND HOLD THE MICROSWITCHES IN THE SAFE POSITION AFTER THE SAFETY PIN IS REMOVED.

LAUNCHERS REWORKED BY NSWC IH DIV ARE MARKED WITH A SUFFIX ALPHA ADDED TO THE LOT NUMBER OR STENCILED REWORKED BY NSWC IH DIV. LAUNCHERS REWORKED PRIOR TO 17 MAY 00 MAY NOT HAVE BEEN STENCILED WITH THE ABOVE.

THE ONLY LAUNCHERS MANUFACTURED UNDER CONTRACT DAAH01-87-C-0769 THAT HAVE NOT BEEN REWORKED FOR THIS PROBLEM ARE AT THE DEPOT AT MCALESTER, OK. ALL LAUNCHERS ISSUED TO THE FLEET INVENTORY HAVE BEEN REWORKED.

BY PERFORMING THE SAFETY SWITCH TEST OF NAVAIR 11-75A-92 DTD 30 JUN 99, SECTION 2.51.2 SAFETY SWITCH TEST (PAGE 2-46) WILL VERIFY THAT THE SAFETY SWITCH RELEASES AND FUNCTIONS PROPERLY. IF THE LAUNCHER FAILS THE SAFETY SWITCH TEST, LOCALLY PLACE LAUNCHER IN CONDITION CODE FOXTROT AND CONTACT CFA, NSWC INDIAN HEAD DIVISION, CODE 572 (301) 744-6486 OR DSN 354-6486 FOR DISPOSITION.

AMMO INFO NOTICE 029-2000:

SUBJ: FILING REQUIREMENTS FOR NAR, AIN AND OHF REPORTS

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL MARINE CORPS ORGANIZATIONS AND USING PERSONNEL.

PRIOR TO 1 OCT 99 REFERENCE A REQUIRED UNITS TO MAINTAIN ONLY A NOTICE OF AMMUNITION (NAR) CROSS-REFERENCE FILE.

AS OF THE 1 OCT 99 TWO24-AA-ORD-010 PARAGRAPH 2-1.1.2 HAS BEEN CHANGED TO READ:

"FILE ESTABLISHMENT REQUIREMENTS. A NAR, AIN AND OHF REPORT (HARD COPY) FILE WILL BE ESTABLISHED AND MAINTAINED IN NUMERICAL SEQUENCE, FROM OLDEST TO MOST CURRENT MESSAGE. A CROSS REFERENCE FOR ALL NARS, AINS, AND OHF REPORTS WILL BE ESTABLISHED AND MAINTAINED. THE CROSS REFERENCE SHOULD LIST AT A MINIMUM THE NAR, AIN, OR OHF REPORT'S SEQUENTIAL NUMBER, NALC/DODIC AFFECTED, AND MESSAGE DATE TIME GROUP."

AINS AND NARS CONTAIN SAFETY WARNINGS AND INFORMATION REQUIRED FOR SAFE OPERATION OF CLASS V(W) GROUND AMMUNITION. IT IS IMPERATIVE THAT THIS INFORMATION BE PROPERLY DISSEMINATED TO USING UNITS PRIOR TO DEPLOYMENT.

AMMO INFO NOTICE 030-2000:

SUBJ: CLARIFICATION

FOR MK 23 MOD 3 JATO INSPECTION (1340-J145)

THIS IS A SAFETY AND MISSION CAPABILITY/FLEET READINESS CONDITION ISSUE. THE U.S. AIR FORCE REPORTED THAT A MK 23 MOD 3 JATO MOTOR (LOT IH-90H004-017, S/N RAB797) FAILED DURING LAUNCH. THE JATO MOTOR BURNED THRU THE SIDE OF THE MOTOR DIRECTLY ON THE BACK WELD ON THE FORWARD ATTACHMENT RING. THE BQM-34 TARGET WAS LOST. NSWC INDIAN HEAD WILL CONDUCT AN ENGINEERING INVESTIGATION. PRELIMINARY ANALYSIS POINT TO A DEFECT IN TH WELD AS THE MOST PROBABLE CAUSE.

AN ANALYSIS OF THE MK 23 MOD 3 JATO INVENTORY FOOT PRINT REVEALED THAT THE NAVY DOES NOT HAVE UNITS OF THE SUSPECT LOT (LOT IH-90H004-017) IN THE INVENTORY. THE MK 23 MOD 3 JATO MOTOR WAS MANUFACTURED BY INDIAN HEAD FOR USE BY THE NAVY, THE AIR FORCE, AND THE ARMY. DATA FROM THE PRODUCTION OF THE MK 23 MOD INDICATE THAT THE SAME MANUFACTURER BUILT THE MOTOR CASES USED FOR THE JATO PRODUCTION. SINCE ALL THE WELDS IN THE MOTOR CASE WERE MANUFACTURED BY THE SAME VENDOR, ALL THE

WELDS ARE SUSPECTED. NSW INDIAN HEAD BELIEVES THAT THE AIR FORCE INCIDENT AFFECTS ASSETS OUTSIDE LOT IH-90H004-017 IN ALL THREE SERVICES (NAVY, AIR FORCE, AND ARMY).

NSWC INDIAN HEAD WILL CONDUCT AN ENGINEERING INVESTIGATION ON THE AIR FORCE INCIDENT. INDIAN HEAD WILL ISSUE A REPORT AND A CORRECTIVE ACTION AS REQUIRED. CONTACT NSW INDIAN HEAD AT DSN 354-6486 OR 354-1425 FOR ANY QUESTIONS.

AMMO INFO NOTICE 031-2000:

SUBJ: CTG, 25MM, HEI-T, MK 210-0 (1305-A981)

THIS AIN SUPERSEDES SPCC AIN 004-93 (DTG 011935Z MAR 93).

ASSETS OF AMMUNITION LOT NUMBER AJD86J170-001 HAVE BEEN IDENTIFIED AS BEING MISMARKED WITH MANUFACTURING SYMBOL ADJ. USE OF MIXED MISMARKED AMMUNITION LOT NUMBER ASSETS IS AUTHORIZED.

AMMO INFO NOTICE 035-2000:

SUBJ: CONVEYOR SPACING FOR 105MM PROJ (1315-C443,C445,C449)

155MM PROJ (1320-D562), M18 HAND GRENADES (1330-G940,G945,G950,G955) AND WARHEAD FOR 5 INCH ROCKET (1340-H931)

THIS AIN SUPERSEDES SPCC AIN 028-91 (DTG 121740Z JUN 91).

THE FOLLOWING SAFE SEPARATION CONVEYOR SPACING DISTANCES HAVE BEEN ESTABLISHED BY FSA FOR SUBJ ITEMS:

(A) CARTRIDGE, 105MM, HE, M1, DODICS C443 AND C445:

15 INCHES, HORIZONTAL, NOSE TO TAIL, BOTH FUZED AND UNFUZED CONFIGURATIONS, PRIMER PROTECTED.

(B) PROJECTILE, 105MM, ILLUM, M314, DODIC C449:

(1) HORIZONTAL, 45 DEGREE OBLIQUE, WITH FUZE - NO SEPARATION IS REQUIRED BETWEEN PROJECTILE.

(2) HORIZONTAL, 45 DEGREE OBLIQUE, WITHOUT FUZE - NO SEPARATION IS REQUIRED BETWEEN PROJECTILE.

(C) PROJECTILE, 155MM, HE, M449, DODIC D562:

(1) 42 INCHES, HORIZONTAL, NOSE TO TAIL OR SIDE BY SIDE, WITH LIFTING PLUG AND LOADED WITH EXPULSION CHARGE AND M43 GRENADES.

(2) 54 INCHES, VERTICAL, WITH LIFTING PLUG AND LOADED WITH EXPULSION CHARGE AND M43 GRENADES.

(D) GRENADE, HAND, SMOKE, M18 SERIES, DODICS G940, G945, G950, G955:

(1) 6 INCHES, HORIZONTAL, IN LINE, WITH FUZE, FUZE TO BASE.

(2) 6 INCHES, HORIZONTAL, SIDE BY SIDE, WITHOUT FUZE.

(E) WARHEAD, HE, MK 32, F/5 INCH ROCKET, DODIC H931:

30 DEGREE OBLIQUE, WITHOUT FUZE, 36 INCHES, TAIL TO TAIL.

AMMO INFO NOTICE 036-2000:

SUBJ: HANDLING PRECAUTIONS FOR CARTRIDGES, 105MM, HE, M1 (1315-C445)

THIS AIN SUPERSEDES SPCC AIN 013-90 (DTG 061925Z MAR 90).

FOLLOWING SAFETY PRECAUTIONS ARE APPLICABLE FOR STORAGE, HANDLING, TRANSPORT AND USE OF 105MM, HE, M1 CARTRIDGES:

(A) CTGS/PROJ ARE NOT TO BE MOVED/TRANSPORTED

IN A LOOSE OR UNPACKED CONFIG. FIBER CONTAINER WILL PROVIDE SUFFICIENT PROTECTION AND THEREFORE IS MINIMUM PACK FOR ANY MOVEMENT SUBSEQUENT TO UNPACKAGING FROM BOX. THIS DOES NOT MODIFY DOT REQUIREMENTS FOR COMPLETE PACK IN FIBER CONTAINER AND WOODEN BOX FOR SHIPMENT.

(B) USING UNITS ARE TO BE PARTICULARLY CAREFUL TO AVOID

IMPACT TO PROJ NOSE. PROJ WHICH ARE DROPPED ON NOSE WITH SIGNIFICANT IMPACT ON A HARD SURFACE, OR STRUCK WITH A HARD OBJECT ARE TO BE SEGREGATED AND

TURNED IN TO THE SUPPORTING AMMO SUPPLY POINT (ASP)
FOR DEMIL. CRACKED PROJECTILES CAN BE REPACKED AND
TRANSPORTED SAFELY.

(C) ANY PROJ FOUND TO HAVE IMPACT DAMAGE TO THE OGIVE OR
NOSE AREA OR ARE SUSPECT DUE TO KNOWN IMPACT
(AS IN PARA B ABOVE) SHALL BE REPORTED FOR DEMIL
THROUGH NORMAL CHANNELS. A HARD IMPACT WITH THE WEAPON
BREECH OR OTHER HARD SURFACE COULD CAUSE A CRACK IN
THE NOSE. THIS IS MOST LIKELY DURING TEMP BELOW 30
DEGREES FAHRENHEIT. FOR EXAMPLE, A
HAMMER IMPACT AT COLD TEMP (LESS THAN 20 DEGREES)
WITHIN THREE INCHES OF THE NOSE WILL PRODUCE A CRACK.

AMMO INFO NOTICE 037-2000:

SUBJ: SAFETY OF USE MESSAGE FOR OPERATIONAL USE OF FLARE,
SURFACE TRIP (1370-L495)

A COPY OF THIS AIN WILL BE PROVIDED TO ALL ORGANIZATIONS
AND PERSONNEL UTILIZING FLARE, SURFACE TRIP M49A1 (L495).

A POTENTIAL HAZARD HAS BEEN IDENTIFIED IN THE FUNCTIONING
OF M49A1 SURFACE TRIP FLARES (DODIC L495). DURING A TRAINING
EXERCISE, SEVERAL MARINES WERE SPRAYED WITH HOT MOLTEN
SLAG AS THEY APPROACHED A SPENT FLARE CONTAINED IN A BURN
BARREL. THE BURN BARREL CONTAINED PREVIOUSLY FIRED FLARES.

THE M49A1 SURFACE TRIP FLARE BURNS WITH INTENSE HEAT,
DURING WHICH THE METAL EXTERIOR MELTS AND BECOMES A HOT
MOLTEN SLAG. THIS MOLTEN SLAG CAN FORM GAS BUBBLES AS IT
ACCUMULATES. HOT RESIDUE FROM THE SLAG IS SPRAYED WHEN THE
GAS BUBBLE BURSTS AND WILL CAUSE BURNS WHEN IT COMES IN
CONTACT WITH THE SKIN.

CURRENTLY, THERE IS NO TIME LIMIT LISTED IN
TM 9-1370-208-10 REGARDING WHEN IT IS SAFE TO APPROACH HOT
MOLTEN SLAG. THEREFORE, IT IS RECOMMENDED THAT PERSONNEL NOT
APPROACH A SPENT FLARE FOR A MINIMUM OF FIVE (5) MINUTES OR
UNTIL IT HAS HAD SUFFICIENT TIME TO COOL OFF.

AMMO INFO NOTICE 040-2000:

SUBJ: CHARGE, DEMOLITION, EOD-SWS, MK 36 MOD 1 (LOADED)
ASSEMBLY (1375-M976)

THIS AIN SUPERSEDES SPCC AIN 029-89 (DTG 151850Z JUN 89).

PRODUCTION LOTS OF DEMOLITION CHARGE, MK 36 MOD 1 UP
THROUGH AND INCLUDING LOT MA-88J002-009 ASSEMBLED AND PACKED
PRIOR TO 1989 HAVE TUBES OF EPOXY RESIN AND HARDENER WHICH ARE
NOT OVERPACKED IN PLASTIC BAGS AND SOMETIMES LEAK CONTENTS ON
THE CHARGE CASE AND SURROUNDING PACKAGING. LEAKAGE OF RESIN,
HARDENER, OR A MIXTURE OF THE TWO MATERIALS POSES NO SAFETY
HAZARD AND WILL NOT NORMALLY IMPAIR ITEM FUNCTION. PRIOR TO
USE, EACH CHARGE SHOULD BE VISUALLY INSPECTED TO ASSURE
THAT ANY LEAKED EPOXY ADHESIVE MATERIALS DO NOT INTERFERE WITH
DRUM OPERATION OR MAGNETIC CONTACT SURFACES. RESIN OR
HARDENER

THAT HAS NOT CURED CAN BE PARTIALLY REMOVED WITH A DRY, CLEAN
CLOTH. MECHANICAL REMOVAL OF CURED EPOXY RESIDUE SHOULD NOT BE
ATTEMPTED. UNITS WITH HARDENED EPOXY RESIDUE LOCATED SO AS TO
IMPAIR ITEM FUNCTION SHOULD BE PLACED IN CONDITION CODE ECHO.
A SMALL AMOUNT OF EPOXY MIXTURE SHOULD BE TRIED PRIOR TO USE
TO VERIFY CURE. REPLACEMENT OF EPOXY KITS THROUGH LOCAL
PURCHASE MAY BE REQUIRED.

POC AT NAVSURFWARCENDIV CRANE IS MR. JOHN YARBOR,
DSN 482-5884/COMM 812-854-5884.

AMMO INFO NOTICE 041-2000:

SUBJ: CTG, 25MM, HEI-T, MK 210 MODS 0,1,2 (1305-A981)

DODIC A981 NSN 1305-01-211-2581 WAS CATALOGED WITH
THE WRONG NOMECLATURE. NSN 1305-01-211-2581 WAS
CATALOGED AND SUBSEQUENTLY MARKED AS "MK 210 MOD 0".

THE CARTRIDGE CONFIGURATION OF THIS NSN IS ACTUALLY "MK 210 MOD 1". THE CATALOGING DATA FOR THIS NSN HAS BEEN CHANGED TO REFLECT THE CORRECT NOMENCLATURE.

ADDITIONALLY, THE MANUFACTURER INCORRECTLY MARKED SHIPPING CONTAINERS AND AMMUNITION LOT DATA CARDS FOR DODIC A981 LOT NUMBERS ATJ93H381-001, ATJ93H381-002, ATJ93H381-003 AND ATJ93H381-004 WITH "NSN 1305-01-271-7782 MK 210 MOD 2". THE INDIVIDUAL ROUNDS ARE MARKED AS MK 210 MOD 0 NSN 1305-01-211-2581.

SOME SHIPPING CONTAINERS HAVE BEEN REMARKED.

THE DIFFERENCES BETWEEN THE MOD 0, MOD 1 AND MOD 2 VERSIONS IS THE HIGH EXPLOSIVE INCENDIARY LOAD. ALL MODS HAVE BEEN APPROVED FOR USE. THE EXTERIOR OF THE CARTRIDGES ARE THE SAME. THERE ARE NO INTERCHANGEABILITY, PERFORMANCE OR SAFETY ISSUES ASSOCIATED WITH THIS MISMARKING. CONFIGURATION FOR THESE ITEMS IS CONTROLLED BY THE LOT NUMBER AND NOT THE MARKINGS.

USE OF DODIC A981 NSN 1305-01-211-2581 AND THESE FOUR LOTS WITHOUT REMARKING IS AUTHORIZED. SUBJ: CANCELLATION OF DOT-E-10489 FOR CTG 81MM AND PROJ 155MM (1315-C276) AND (1320-D528)

REF CDROSC ROCK ISLAND IL 211339Z APR 00.

THE DEPARTMENT OF TRANSPORTATION CANCELLED DOT-E-10489 WHICH ALLOWED SHIPMENT OF THE NSNS LISTED BELOW AS "AMMUNITION FOR CANNON W/SMOKE PROJECTILE CLASS B" IN LIEU OF "CLASS A". BECAUSE THE EXEMPTION IS CANCELLED, THE NSNS CAN NOT BE SHIPPED USING THE OLD DOT PROPER SHIPPING NAME ALLOWED UNDER THE TRANSITIONAL PERIOD OF THE CFR 49 FOR CONUS SHIPMENT, OR THE "GRANDFATHER" CLAUSE ALLOWED IN THE IMDG FOR OCONUS.

THE FOLLOWING NSNS WHICH WERE INCLUDED UNDER THE EXEMPTION SHALL BE SHIPPED PALLETIZED UNDER THE CURRENT FINAL HAZARD CLASSIFICATION AND CURRENT TITLE 49 CODE OF FEDERAL REGULATIONS (CFR). IN LIEU OF REMARKING EACH BOX, A PLYWOOD PANEL SHOULD BE ATTACHED TO TWO OPPOSITE SIDES OF THE PALLET LOAD WITH THE PROPER SHIPPING NAME (PSN), IDENTIFICATION NUMBER AND THE UNITED NATIONS (UN) POP MARKING. THE DOT-E IS NOT REQUIRED IF SHIPPED IN THIS MANNER (OCONUS AND CONUS). FOR FMS, THE FOREIGN COUNTRY MUST BE ASKED PRIOR TO SHIPMENT IF THEY WILL ACCEPT THE PALLETIZED LOADS WITH PLYWOOD PANEL MARKINGS OR IF REMARKING IS NEEDED.

CTG 81MM. PRIOR TO SHIPMENT, PALLETIZED LOADS WILL USE TWO PLYWOOD PANELS WITH UN MARKINGS ADDED. UNPALLETIZED BOXES MUST BE REMARKED WITH THE PSN, ID NUMBER AND UN POP MARKING.

1315-00-498-6406-C276

CTG 81MM SMOKE WP M375A2

PSN & ID NO FROM THE JHCS: AMMUNITION, SMOKE, WHITE
PHOSPHORUS UN 0246

UN POP MARKINGS CAN BE FOUND ON DRAWING 9230176

1315-00-574-7680-C276

CTG 81MM SMOKE WP M375A3

PSN & ID NO FROM THE JHCS: AMMUNITION, SMOKE, WHITE
PHOSPHORUS UN 0246

UN POP MARKINGS CAN BE FOUND ON DRAWING 9287601.

PROJECTILE 155MM ARE EXEMPT FROM UN POP MARKINGS. IT MAY BE MORE COST EFFECTIVE TO OBLITERATE THE OLD DOT MARKING AND REMARK THE PSN & ID NO. ON THE PROJECTILE TOP ASSEMBLY RATHER THAN TO USE THE PLYWOOD PANELS. OTHERWISE, APPLY ONE PANEL WITH THE PSN AND ID NO

AMMO INFO NOTICE 042-2000:

ON A SINGLE PALLET AND TWO PANELS TO A BUNDLE OF
THREE PALLETS, WHICH EVER IS APPLICABLE TO YOUR SITUATION.

1320-01-140-2611-D528

PROJECTILE, 155MM, SMOKE WP M825

PSN & ID NO FROM THE JHCS: AMMUNITION, SMOKE, WHITE
PHOSPHORUS UN 0246

UN POP MARKINGS NOT REQUIRED, 8 PROJECTILES PER WOOD
PALLET DWG 8837839

1320-01-280-5320-D528

PROJECTILE, 155MM SMOKE WP M825A1

PSN & ID NO FROM THE JHCS: AMMUNITION, SMOKE, WHITE
PHOSPHORUS UN 0246

UN POP MARKINGS NOT REQUIRED, 8 PROJECTILES PER
WOOD PALLET DWG 8837839

IF THERE ARE ANY QUESTIONS OR A COPY OF THE
DRAWING IS NEEDED, CONTACT MRS. NORA HIPSCHEIN,
AMSTA-AR-WEP-RP, DSN 793-8205, COMM 309-872-8205,
E-MAIL: HIPSCHEIN@RIA.ARMY.MIL.

AMMO INFO NOTICE 043-2000:

SUBJ: GRENADE, INFRARED IR, SMOKE SCREENING GRENADE, M76,
POTENTIAL GROUND BURST (1330-G826)

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL
UNITS USING M76 GRENADES, INFRARED (IR), SMOKE SCREENING (G826).
IT IS IMPERATIVE THAT ALL PERSONNEL ARE AWARE THAT THERE
IS A PROBABILITY OF A HIGH RATE OF GROUND BURSTS FOR THIS
GRENADE (I.E., THIS GRENADE HAS THE POTENTIAL TO FUNCTION
UPON OR AFTER STRIKING THE GROUND).

RECENT TEST RESULTS CONCLUDED THAT 25% OF THE M76
GRENADES WILL FUNCTION UPON OR AFTER STRIKING THE GROUND.
THIS PROBABILITY FOR GROUND BURSTS SHOULD BE CONSIDERED
ESPECIALLY WHEN THIS GRENADE IS USED FOR SMOKE SCREENING
OF AN AMPHIBIAN ASSAULT VEHICLE. A "GROUND BURST" GRENADE
WILL NOT PROVIDE SMOKE SCREENING AFTER HITTING THE WATER
SURFACE. USERS SHOULD CONSIDER FIRING ADDITIONAL M76 GRENADES
TO MAINTAIN AN EFFECTIVE SCREEN IN A WATER ENVIRONMENT.

AMMO INFO NOTICE 045-2000:

SUBJ: GRENADE, HAND, FRAGMENTATION, M67 (1330-G881)

THIS AIN SUPERSEDES SPCC AIN 020-87 (DTG 051821Z MAY 87).

DURING TESTING OF THE M67 FRAGMENTATION GRENADE,
A CONCERN WAS NOTED WHICH COULD HAVE A SERIOUS IMPACT
ON USER SAFETY. DURING SEVERE ROUGH HANDLING (LOOSE CARGO
JOLT AND JUMBLE TEST), THE SAFETY PIN AND/OR CLIP CAN FAIL
THEREBY ALLOWING THE GRENADE TO FUNCTION. IN LIGHT OF THIS
CONCERN IT IS RECOMMENDED THAT THE M67 HAND GRENADE BE
TRANSPORTED IN THE ORIGINAL FIBER CONTAINER AT ALL
TIMES TO AVOID ENVIRONMENTS WHICH MAY RESULT IN
FAILURE OF THE SAFETY PIN/CLIP. THIS IS A REITERATION
OF CURRENT GUIDANCE AS SPECIFIED IN TM 9-1300-206
AUG 73 AMMO AND EXPLOSIVES STANDARDS AND OP 5 VOL 1 OCT 74
AMMUNITION AND EXPLOSIVES ASHORE.

AMMO INFO NOTICE 047-2000:

SUBJ: SAFETY OF OPERATIONAL USE FOR GRENADE, HAND, OFFENSIVE
MK3A2 (1330-G911)

THIS AIN SUPERSEDES SPCC AIN 037-91 (DTG 221845Z AUG 91).

INFORMATION CONTAINED HEREIN WILL BE PASSED
TO ALL PERSONNEL/ORGANIZATIONS USING GRENADE, HAND,
OFFENSIVE.

IT IS IMPERATIVE THAT ALL PERSONNEL ARE AWARE
OF THE FOLLOWING SAFETY OF OPERATIONAL USE:

- (A) THIS GRENADE HAS THE POTENTIAL TO BREAKUP
WHEN THROWN AGAINST A HARD SURFACE. MARINE CORPS
AND ARMY SURVEILLANCE TESTS SHOWED THAT THE FUZE

OF A G911 GRENADE CAN SEPARATE FROM THE GRENADE BODY WHEN THROWN FULL FORCE AGAINST A HARD SURFACE. ADDITIONALLY, ON RARE INSTANCES, DURING THE REMOVAL OF THIS GRENADE FROM THE CONTAINER, THE TOP HALF OF THIS GRENADE, INCLUDING THE DETONATOR, CAN SEPARATE FROM THE BOTTOM OF THE GRENADE EXPOSING THE TNT FILLER. BOTH THESE PROBLEMS APPEAR TO BE A DESIGN RELATED PROBLEM FOR THE GRENADES MANUFACTURED PRIOR TO AUGUST 1975. THE ASPHALT IMPREGNATED FIBERBOARD OF THE GRENADE IS TOO BRITTLE AND CANNOT WITHSTAND A HARD IMPACT, OR CAN JUST SIMPLY SEPARATE THE FUZE FROM THE GRENADE BODY. THE ENTIRE NAVY AND MARINE CORPS STOCKPILE CONSISTS OF THIS PARTICULAR DESIGN WHICH WAS USED IN MANUFACTURING GRENADES PRIOR TO AUGUST 1975. USERS EXPERIENCING THESE PROBLEMS DURING TRAINING SHOULD NOTIFY THE LOCAL EOD PERSONNEL FOR DISPOSITION OF GRENADE RESIDUES.

- (B) THIS GRENADE SHOULD NOT BE USED AS A SIMULATOR. PREVIOUSLY, A TRAINING INCIDENT INVOLVING THE USE OF A MK3A2 OFFENSIVE HAND GRENADE AS A GRENADE SIMULATOR RESULTED IN THE DEATH OF ONE AIRMAN AND THE INJURY OF ANOTHER. ALL PERSONNEL ARE REMINDED THAT OFFENSIVE HAND GRENADES ARE NOT SIMULATORS FOR FRAGMENTATION GRENADES AND ARE NOT TO BE USED AS SUCH. SIMULATORS OF ANY TYPE ARE NOT DESIGNED TO BE USED IN ANY UNSAFE MANNER (I.E., BEING THROWN INTO A MACHINE GUN PIT OR FOXHOLE). ALL SIMULATORS COME WITH INSTRUCTIONS FOR SAFE USE AND SHOULD BE FOLLOWED WHENEVER A SIMULATOR IS USED.

AMMO INFO NOTICE 048-2000:

SUBJ: FIELD MODIFICATION OF M58 AND M59 LINEAR DEMOLITION CHARGES (1375-M913,ML25)

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL PERSONNEL AND ORGANIZATIONS USING LINEAR DEMOLITION CHARGES.

ALL SERVICEABLE LINEAR DEMOLITION CHARGES CURRENTLY IN THE INVENTORY ARE EITHER NEW PRODUCTION OR HAVE BEEN RENOVATED. MODIFICATIONS OR ALTERATIONS OF THE SUBJECT CHARGES BY FIELD FIRING UNITS ARE NOT AUTHORIZED. DO NOT ATTEMPT TO CORRECT OR MANIPULATE THE LENGTH OF THE FUZE ARMING WIRE OR THE ARMING WIRE WEAVE. DO NOT REMOVE THE NYLON SLEEVE TO EXPOSE THE ELECTRICAL WIRING ON THE FUZE END OF THE ARRESTING CABLE OR IN ANY WAY ALTER THE SHORTING LOOP. ANY LINEAR DEMOLITION CHARGE FOUND WITH MAJOR DEFECTS WILL NOT BE FIRED AND WILL BE RETURNED TO THE AMMUNITION SUPPLY POINT.

ALL LINEAR DEMOLITION CHARGE MALFUNCTIONS AND DEFECTS MUST BE REPORTED IN ACCORDANCE WITH MCO 8025.1D DTD 26 OCT 99 CLASS V(W) MALFUNCTION AND DEFECT REPORTING.

FIELD RETURNED LINEAR DEMOLITION CHARGES THAT HAVE BEEN OPENED BY A UNIT SHOULD BE INSPECTED BY THE ASP. IF ANY DISCREPANCIES ARE FOUND, REPORT IN ACCORDANCE WITH MCO 8025.1D DTD 26 OCT 99 CLASS V(W) MALFUNCTION AND DEFECT REPORTING AND LOCAL ASP PROCEDURES FOR DISPOSITION.

AMMO INFO NOTICE 050-2000:

SUBJ: GRENADE, HAND, FRAGMENTATION, M67 (1330-G881)

THIS AIN SUPERSEDES SPCC AIN 022-89 (DTG 302030Z MAR 89).

A REPORT/OBSERVATION OF G881 GRENADES FOUND BENT/DEFORMED LEVER EARS ON THE FUZE DURING UNPACKING.

IF LEVER EARS ARE NOT CORRECTLY FORMED AND PROPERLY POSITIONED, THE SAFETY LEVER COULD FAIL TO RETAIN THE STRIKER PROPERLY AND CAUSE UNINTENTIONAL INITIATION OF THE FUZE. THIS IS A CRITICAL DEFECT AND NO G881 GRENADE HAVING THIS CONDITION SHOULD BE USED. REPORT ALL FINDINGS OF THIS DEFECT THROUGH STANDARD PROCEDURES.

AMMO INFO NOTICE 051-2000: SUBJ: FUZE,MINE, COMB,M605 AND MINE,ANTI-PERS,M16 SERIES (1345-K058,K092)
THIS AIN SUPERSEDES SPCC AIN 020-91 (DTG 141540Z MAR 91).
WHEN HANDLING THE M605 FUZE, ALWAYS TAKE CARE TO AVOID PUSHING ON THE CIRCULAR DEPRESSION IN THE BODY OF THE FUZE OPPOSITE THE TRIP WIRE PULLRING BOSS. THIS IS THE SLIDER HOLDING THE FIRING PIN AND ANY MOVEMENT (EVEN THE SMALL AMOUNT ALLOWED WITH THE SAFETY COTTER PIN IN PLACE) CAN PLACE THE FIRING PIN CLOSER TO THE POINT OF RELEASE.
IN ARMING THE M605 FUZE, ALWAYS PULL THE POSITIVE SAFETY PIN WITH YOUR FINGERS, NOT BY PULLING JUST ON THE STRING. THIS WILL AVOID IMPARTING A SHOCK TO THE FUZE WHICH COULD ACTIVATE IT.

AMMO INFO NOTICE 052-2000: SUBJ: VISUAL INSPECTION OF CARTRIDGE, 7.62MM, BLANK M82 FOR LIVE ROUNDS (1305-A111)
THIS AIN SUPERSEDES NALC AIN 038-00 (DTG 132212Z JUL 00).
INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL UNITS USING CARTRIDGE 7.62 BLANK M82 (A111).
IT IS IMPERATIVE THAT ALL PERSONNEL ARE AWARE OF THE POSSIBILITY THAT LIVE ROUNDS MAY BE LINKED WITH BLANK ROUNDS (A111).
A LIVE ROUND WAS RECENTLY FOUND LINKED IN A BELT OF BLANK A111 ROUNDS DURING A TRAINING EXERCISE. PRIOR TO FIRING, USERS SHOULD INSPECT THE CARTRIDGES TO ENSURE A111 BLANK ROUNDS (CRIMPED TIP-NO BULLET) ARE NOT LINKED WITH LIVE ROUNDS (PLAIN BULLET TIP). IF LIVE ROUNDS ARE FOUND LINKED WITH BLANK ROUNDS, CONTACT MARCORSYSCOM (QAM) AT (703) 784-9493 OR DISN 278-9493 FOR OT COG ASSETS OR MR. JOHN YARBOR, NAVSURFWARCENDIV CRANE, (812) 854-5884 OR DSN 482-5884 FOR 2T COG ASSETS.
VISUAL DIFFERENCE BETWEEN CARTRIDGE 7.62MM, BLANK M82 (A111), AND CARTRIDGE 7.62MM BALL M80 (LIVE ROUND) ARE AS FOLLOWS:
M80 LIVE ROUND: PLAIN BULLET TIP, 2.80 INCHES LONG
A111: FIVE FLUTES, NO BULLET (ROSETTE CRIMPED TIP), 2.59 INCHES LONG

AMMO INFO NOTICE 054-2000: SUBJ: WARNING OF SHORT EXPECTED RANGE TO BURST IN CURRENT M819 RP SMOKE CARTRIDGE STOCKS (1315-C870)
THIS AIN APPLIES TO MARINE CORPS ASSETS ONLY.
A COPY OF THIS AIN WILL BE ISSUED FOR USE BY INDIVIDUALS/ UNITS FIRING 81MM M819 RP SMOKE CARTRIDGES.
THE CURRENT M819 RP SMOKE STOCKS CANNOT BE EXPECTED TO PRODUCE THE RANGE-TO-BURST INDICATED IN FIRING TABLES FT 81-AR-2.
(A) AT CHARGE 1, THE AVERAGE RANGE-TO-BURST AT THE LOWEST GUN ELEVATION RECOMMENDED IN FIRING TABLES (881 MILS AND 18 SECOND FUZE SET TIME) WOULD BE 12 - 40 METERS SHORT OF THE EXPECTED VALUE.
(B) AT CHARGE 4, THE AVERAGE RANGE-TO-BURST AT THE LOWEST GUN ELEVATION RECOMMENDED IN FIRING TABLES (826 MILS AND 34 SECOND FUZE SET TIME) WOULD BE 160-300 METERS

SHORT OF THE EXPECTED VALUE.

AMMO INFO NOTICE 055-2000:

SUBJ: MANEUVER- ABILITY HAZARD, STORAGE AND HANDLING OF PROJECTILE, 155MM, SMOKE, WP, M825 (1320-D528)

THIS AIN SUPERSEDES SPCC AINS 003-85/001-87 (DTGS NOT AVAIL, 281840Z OCT 86).

THIS IS TO ADVISE ALL USERS OF THE D528 PROJECTILE OF AN AFTER FIRING MANEUVER HAZARD. THIS PROJECTILE CONTAINS 72 WHITE PHOSPHORUS (WP) IMPREGNATED FELT WEDGES WHICH ARE EJECTED REARWARD FROM THE PROJECTILE BODY ON FUZE FUNCTIONING, PRODUCING A WHITE CLOUD OF SCREENING SMOKE. THESE WEDGES ARE NOT COMPLETELY CONSUMED DURING THE BURNING OF THE WP, INSTEAD THEY FORM GOLF-BALL SIZED RESIDUAL LUMPS WHICH CRUST OVER THE UNBURNED WP. EXTREME CAUTION MUST BE EXERCISED WHEN MANEUVERING BY FOOT OR VEHICLE THROUGH IMPACT AREAS USED FOR THESE PROJECTILES AS WELL AS ALONG THE GUN-TARGET TRAJECTORY. DISTURBING THE RESIDUE MAY RESTART THE WP BURNING, PRODUCING SMOKE AND THE RESIDUE MAY ADHERE TO INDIVIDUAL EQUIPMENT, TIRES, OR TRACKS WITH RESULTANT POTENTIAL FOR SERIOUS PERSONAL INJURY AND DAMAGE OR LOSS OF VEHICLES. IF TRAINING PLANS INCLUDE MANEUVER ON FOOT OR BY VEHICLE THROUGH SUCH AREAS, ENSURE THAT MEDICAL PERSONNEL ARE IMMEDIATELY AVAILABLE AND ARE WELL VERSED AND EQUIPPED TO TREAT AND MANAGE WHITE PHOSPHORUS INJURIES. WHITE PHOSPHORUS IS A PYROPHORIC AGENT (BURNS IN THE PRESENCE OF OXYGEN). IT MAY BE EXTINGUISHED BY IMMERSING THE CONTAMINATED MEMBER OR ARTICLE IN WATER OR BY COVERING THE AREA WITH DAMP EARTH UNTIL THE CONTAMINANTS CAN BE REMOVED AND ANY INJURIES TREATED.

ALL ACTIVITIES RESPONSIBLE FOR USMC OWNED (OT COG) AMMO ARE TO ENSURE THAT ALL TRANSPORTATION, STORAGE AND HANDLING OF D528 PROJECTILE STOCK IS ACCOMPLISHED WITH THE BASE DOWN.

AMMO INFO NOTICE 057-2000:

SUBJ: SMALL ARMS AMMUNITION

THIS AIN SUPERSEDES SPCC AIN 008-85 (DTG 131910Z SEP 85).

PRIOR TO 1976, IT WAS COMMON FOR FRANKFORD ARSENAL TO INSTRUCT THE MANUFACTURERS OF SMALL ARMS AMMUNITION (SAA) TO STENCIL THE EXTERIOR CONTAINERS OF SAA WITH RESTRICTIONS WHICH WERE IMPOSED ON SAA LOTS PRIOR TO ITS LEAVING THE MANUFACTURING FACILITY.

THERE IS NO AVAILABLE RECORD OF SAA LOTS WITH RESTRICTIONS ON BOXES.

THE RESTRICTIONS STENCILED ON BOXES OF SAA ARE VALID.

NAVY (2T COG) UNSERVICEABLE SAA MUST HAVE APPROPRIATE DEFECT CODES ASSIGNED AND APPROPRIATE DEFECT CODES ENTERED IN INVENTORY SYSTEMS.

NAVY (2T COG) SERVICEABLE SAA WITH USE RESTRICTIONS STENCILED ON BOX, WITH NO APPLICABLE NAR, SHOULD BE IDENTIFIED TO MR. JOHN YARBOR, NAVSURFWARCENDIV CRANE, PM416, DSN 482-5884/COMM 812-854-5884.

AMMO INFO NOTICE 059-2000:

SUBJ: FIRING LIMITATIONS FOR 81MM CTGS (1315-C226, C256, C276, C868, C869, C870, C871, C875)

THIS AIN SUPERSEDES NALC AIN 056-00 (DTG 181945Z SEP 00).

THE FOLLOWING FIRING LIMITS HAVE BEEN PLACED ON VARIOUS MODELS OF SUBJ AMMO WHEN FIRED FROM THE M252 81MM MORTAR BASED ON A DEPARTMENT OF ARMY SURGEON GENERAL HEALTH HAZARD ASSESSMENT. THE HAZARD IS CREATED BY BLAST OVERPRESSURES (NOISE) CREATED DURING FIRING. THESE FIRING LIMITS APPLY TO THE M374 SERIES CTGS (1315-C256), THE M375 SERIES ILLUM CTGS (1315-C276) AND THE M301 SERIES SMOKE CTGS (1315-C226), THE M821 AND THE M889 HE CTGS (1315-C868/C869), THE M819

SERIES CTGS (1315-C870), THE M853A1 SERIES CTGS (1315-C871), AND THE M879 SERIES CTGS (1315-C875). THE ALLOWABLE NUMBER OF ROUNDS PER DAY APPLIES TO TRAINING USE ONLY AND IS NOT APPLICABLE IN COMBAT SITUATIONS.

CTG M816/M821/M889/M819/M853A1/M879

AT CHG 4 NO. OF RDS - 61 POINTS PER RD -16

AT CHG 3 NO. OF RDS -152 POINTS PER RD - 6

AT CHG 2 NO. OF RDS - 666 POINTS PER RD - 1.5

AT CHG 1 NO. OF RDS - NO LIMIT POINTS PER RD - 0

AT CHG 0 NO. OF RDS - NO LIMIT POINTS PER RD - 0

NOTE: THE POINT VALUES MAY BE USED TO DEFINE THE EXPOSURE LIMIT WHEN A MIXTURE OF CHARGES ARE FIRED IN ONE 24-HOUR PERIOD. THE TOTAL DAILY ACCUMULATION OF POINT SHOULD NOT EXCEED 1,000 POINTS DURING TRAINING. ADDITIONALL, HEARING PROTECTION SHOULD BE WORN BY ALL PERSONNEL WITHIN 100 METERS OF THE MORTAR.

M301A1/A2: CHG 4; NO. OF RDS - 50; POINTS PER RD - NOTE 1

M301A3: CHG 8; NO. OF RDS - 143; POINTS PER RD - NOTE 1

M374/A1/A2: CHG 9; NO. OF RDS - 125; POINTS PER RD - NOTE 1

M374A3: CHG 4; NO. OF RDS - 106; POINTS PER RD - NOTE 1

M375/A1/A2: CHG 9; NO. OF RDS - 125; POINTS PER RD - NOTE 1

M375A3: CHG 4; NO. OF RDS - 106; POINTS PER RD - NOTE 1

NOTE 1: NO POINT VALUES ARE PROVIDED FOR THE M300 SERIES AND IS FOR MAX CHARGE.

THIS INFO WILL BE INCORPORATED INTO APPLICABLE TECHNICAL MANUALS.

AMMO INFO NOTICE 062-2000:

SUBJ: SAFETY, OF USE OF M57 FIRING DEVICE (1345-K008,K143)

THIS AIN SUPERSEDES SPCC AIN 001-88 (DTG 011830Z OCT 87).

THIS AIN IS A WARNING TO ALL USERS OF M57 FIRING DEVICES.

SAFETY OF M57 FIRING DEVICES CANNOT BE ASSURED. ONCE CONNECTED TO FIRING CIRCUIT, ANY MOVEMENT OF M57 HANDLE OR IMPACT TO DEVICE MAY CAUSE FIRING CIRCUIT TO INITIATE, EVEN IF SAFETY BAIL IS IN PLACE. CONNECT M57 FIRING DEVICE TO FIRING CIRCUIT ONLY WHEN IMMEDIATE FIRING IS INTENDED. HANDLE SUBJ DEVICE CAREFULLY ONCE FIRING CIRCUIT IS COMPLETE. THIS WARNING APPLIES TO ALL USERES OF SUBJ DEVICES, INCLUDING, BUT NOT LIMITED TO, USE OF DEVICE WITH M18A1 MINES AND M180 DEMO KIT. ADDITIONAL SAFETY WARNINGS SPECIFIED IN APPLICABLE TECHNICAL MANUALS, INCLUDING BUT NOT LIMITED TO, TM 9-1345-203-12&P, MUST BE ADHERED TO.

AMMO INFO NOTICE 065-2000:

SUBJ: ARTILLERY AMMO SAFETY MESSAGE (1320-D544,D579)

THIS AIN SUPERSEDES SPCC AIN 030-88 (DTG 251910Z MAR 88).

THIS AIN IS TO REITERATE THE POSSIBILITY OF INJURY TO PERSONNEL AND EQUIPMENT DURING TRAINING EXERCISES WHEN FIRING AN M107 OR M549 PROJECTILE (D544, D579) WITHOUT A FUZE OR LIFTING PLUG ASSEMBLED.

RAMMING A PROJECTILE WITHOUT A FUZE ALLOWS THE SUPPLEMENTARY CHARGE TO POP OUT. THE PROJECTILE SEATS FORCING CHARGE TO REMAIN IN FRONT OF THE PROJECTILE. SUBSEQUENT FIRING OF PROJECTILE RESULTS IN RUN-OVER OF THE SUPPLEMENTARY CHARGE CAUSING DETONATION OF THE CHARGE AND IN TURN THE PROJECTILE. SEVERAL INBORE PREMATURES RESULTING FROM FIRING WITHOUT A FUZE HAVE OCCURRED WITH 155MM HOWITZERS OVER THE YEARS.

REFERENCE MANUAL, TM-9-1025-211-10, CONTAINS WARNINGS REGARDING FIRING WITHOUT A FUZE IN THE WARNING PAGES, IN LOADING AND FIRING SECTION AND IN AMMUNITION CHAPTERS. WARNINGS IN EFFECT CONVEY THE FOLLOWING:

WARNING

THE FIRING OF A FIELD ARTILLERY ROUND WITHOUT A FUZE OR WITH AN UNAUTHORIZED FUZE IS STRICTLY PROHIBITED

AS AN INBORE EXPLOSION MAY RESULT.

OR

DO NOT LOAD OR FIRE ARTILLERY AMMUNITION WITHOUT THE AUTHORIZED FUZE. FIRING OF SUCH ROUNDS WITHOUT FUZES OR WITH UNAUTHORIZED FUZES COULD RESULT IN INBORE PREMATURES OR OTHER HAZARDOUS CONDITIONS.

ALTHOUGH CURRENT WARNINGS IN TM-9-1025-211-10 ARE CONSIDERED ADEQUATE, IN VIEW OF PREVIOUS INCIDENTS, IT IS CONSIDERED THAT THIS IS AN APPROPRIATE TIME TO RE-EMPHASIZE THE DANGER ASSOCIATED WITH FIRING ARTILLERY PROJECTILES WITHOUT A FUZE.

AMMO INFO NOTICE 066-2000:

SUBJ: LAUNCHER AND CARTRIDGE, 81MM, AT4 (1315-C995)

THIS AIN SUPERSEDES SPCC AIN 002-90 (DTG 072015Z NOV 89).

GUNNER AND ALL OTHER PERSONNEL WITHIN 40 METER RADIUS OF THE WEAPON MUST WEAR APPROVED, PROPERLY INSERTED FOAM EAR PLUGS (NSN 6515-00-137-6345). THE USE OF OTHER TYPES OF EAR PROTECTION IS NOT AUTHORIZED AND CAN RESULT IN PERMANENT LOSS OF HEARING. FOR PROTECTION AGAINST RADIANT ENERGY (HEAT), THE GUNNER AND NEARBY PERSONNEL MUST WEAR THE STANDARD ISSUE HELMET

AMMO INFO NOTICE 068-2000:

AND KEEP UNIFORM SLEEVES ROLLED DOWN AND COLLAR TURNED UP.

SUBJ: CARTRIDGE, 40MM, PRACTICE, M781 (1310-B519)

THIS AIN SUPERSEDES SPCC AIN 072-85 (DTG NOT AVAILABLE).

THIS AIN APPLIES TO NAVY STOCK ONLY.

THE FOLLOWING RELAXED VISUAL INSPECTION CRITERIA, MALFUNCTION REPORTABILITY RATE, AND SAFETY PRECAUTIONS ARE PROMULGATED:

- (A) MINOR CRACKS AND SURFACE BLEMISHES ON PLASTIC ARE NOT TO BE COUNTED AS DEFECTS.
- (B) EXCESS CEMENT WHICH DOES NOT PREVENT ROUND CHAMBERING IS NOT A DEFECT.
- (C) A BREAK IN THE OGIVE MATERIAL EXPOSING DYE IS A MAJOR DEFECT.
- (D) A LOOSE OGIVE IS A MAJOR DEFECT.

NOTE: ROUNDS EXHIBITING MAJOR DEFECTS SHALL NOT BE FIRED. USERS ARE WARNED TO EXPECT PREMATURE PROJECTILE BREAK-UP AND RELEASE OF MARKER DYE AS WELL AS MISFIRES. OCCURANCES SHOULD BE REPORTED IN ACCORDANCE WITH THE LATEST REVISION OF OPNAVINST 5102.1, MISHAP INVESTIGATION AND REPORTING.

DUE TO REPORTS OF PARTICLES BEING BLOWN BACK INTO THE EYES OF THE GUNNER, THE M781 ROUND SHOULD BE FIRED ONLY WHEN THE GUNNER IS WEARING PROTECTIVE GOGGLES, LEATHER GLOVES, LONG SLEEVED GARMENTS, OR WHEN THE WIND IS BLOWING IN THE DIRECTION OF FIRE, I.E., FROM BEHIND THE GUNNER.

WHEN USING THE M203 LAUNCHER, CARE MUST BE TAKEN TO ENSURE THAT THE WEAPON IS FULLY LATCHED PRIOR TO FIRING. IT IS ALSO RECOMMENDED THAT UNIT ARMORER GAGE WEAPON FIRING PIN PROTRUSION AND CHECK FIRING PIN SPRING. EXCESSIVE WEAR IN THESE AREAS, AS WELL AS DIRTY WEAPONS, CAN CONTRIBUTE TO OCCURRENCES OF MISFIRE.

ISSUING ACTIVITIES SHALL INCLUDE THIS INFO IN DOCUMENTATION PROVIDED TO USING UNITS EACH TIME AN ISSUE IS MADE.

AMMO INFO NOTICE 070-2000:

SUBJ: CHARGE, PROPELLING, 16 INCH 50, FULL (1320-D839,D846)

THIS AIN SUPERSEDES SPCC AIN 026-91 (031955Z MAY 91).

THIS PARAGRAPH APPLIES TO 1320-D839 ONLY:

- (A) AFTER EACH BAG HAS BEEN REMOVED FROM THE POWDER TANK AND PLACED ON THE TRANSFER TRAY, INSPECT BY FEEL THE IGNITION PAD END (THE RED END) OF EACH BAG CHARGE. THERE SHOULD BE "NO" PROPELLANT GRAINS

LYING FLAT UNDER THE IGNITION PAD. ALL D839 BAG CHARGES "WILL" HAVE A TARE LAYER OF 20 OR MORE PROPELLANT GRAINS LYING FLAT UNDER THE CLOTH BAG MATERIAL ON THE END OPPOSITE THE IGNITION PAD. THIS DOES NOT NEED TO BE INSPECTED BY THE CREW; THE MIL-STD-129 TAG ON EACH POWDER TANK WILL SHOW THAT EACH BAG CHARGE HAS THE PROPER NUMBER OF GRAINS IN THE TARE LAYER AS INSPECTED PRIOR TO USE. NOTE: ANY BAG WHICH DOES NOT MEET ABOVE CRITERIA SHOULD BE SET ASIDE FOR DISPOSAL; IT CANNOT BE FIRED IN THE GUN. ANY BAG WITH A HOLE, TEAR, OR RIP GREATER THAN 3/16 INCH SHALL BE RECLASSIFIED TO CONDITION CODE HOTEL; IT CANNOT BE FIRED IN THE GUN. IMMERSE IN WATER ANY BAG CHARGE WITH RIPS OR HOLES IN THE IGNITION PAD AND CONTACT EOD FOR DISPOSAL. SWEEP UP ANY SPILLED BLACK POWDER AND IMMERSE IN WATER. WIPE THE CONTAMINATED AREA(S) WITH A DAMP CLOTH. THIS PARAGRAPH APPLIES TO 1320-D846 LOT NUMBER CRA84C001-001:

(B) AFTER EACH BAG CHARGE HAS BEEN REMOVED FROM THE POWDER TANK AND PLACED ON THE TRANSFER TRAY, INSPECT BY FEEL THE IGNITION PAD END (THE RED END) OF EACH BAG CHARGE. THERE SHOULD BE "NO" PROPELLANT GRAINS LYING FLAT UNDER THE IGNITION PAD. ALL BAG CHARGES OF THIS LOT "WILL" HAVE A TARE LAYER OF 39 OR MORE PROPELLANT GRAINS LYING FLAT UNDER THE CLOTH BAG MATERIAL ON THE END OPPOSITE THE IGNITION PAD. THIS DOES NOT NEED TO BE INSPECTED BY THE CREW; THE MIL-STD-129 TAG ON EACH POWDER TANK WILL SHOW THAT EACH BAG CHARGE HAS THE PROPER NUMBER OF GRAINS IN THE TARE LAYER AS INSPECTED PRIOR TO USE.

NOTE: ANY BAG WHICH DOES NOT MEET ABOVE CRITERIA SHOULD BE SET ASIDE FOR DISPOSAL; IT CANNOT BE FIRED IN THE GUN. ANY BAG WITH A HOLE, TEAR OR RIP GREATER THAN 3/16 INCH SHALL BE RECLASSIFIED TO CONDITION CODE HOTEL; IT CANNOT BE FIRED IN THE GUN. IMMERSE IN WATER ANY BAG CHARGE WITH RIPS OR HOLES IN THE IGNITION PAD AND CONTACT EOD FOR DISPOSAL. SWEEP UP ANY SPILLED BLACK POWDER AND IMMERSE IN WATER. WIPE THE CONTAMINATED AREA(S) WITH A DAMP CLOTH.

POC AT NWSCD CRANE IS MR. JOHN YARBOR,
DSN 482-5884/812-854-5884.

AMMO INFO NOTICE 001-2001:

SUBJ: SECURITY SEALS FOR AMMUNITION CONTAINERS

THIS AIN SUPERSEDES NALC AIN 024-00 (DTG 171935Z APR 00).

THIS AIN APPLIES TO NAVY AND MARINE CORPS ACTIVITIES.

DOD INSTRUCTION 4715.4, POLLUTION PREVENTION DTD 22 APR 96 WAS WRITTEN TO ASSURE FEDERAL COMPLIANCE WITH E.O. 12856, RIGHT-TO-KNOW LAWS AND POLLUTION PREVENTION REQUIREMENTS. THE INSTRUCTION REQUIRED DOD COMPONENTS TO REVISE SPECIFICATIONS

AND STANDARDS TO REDUCE OR ELIMINATE HAZARDOUS SUBSTANCES OR MATERIALS. LEAD IS ONE OF THESE MATERIALS.

DOD INSTRUCTION 4715.4, POLLUTION PREVENTION DTD 22 APR 96, TW010-AC-ORD-010 VOL 1 3RD REVISION CHG DTD 01 MAY 99, DWG 8796522, DWG 8794342 AND TW024-AA-ORD-010 DTD 1 OCT 00 DETAIL REQUIREMENTS AND INSTRUCTIONS FOR SEALING AMMUNITION CONTAINERS WITH WIRE SEALS. PROCUREMENT OF LEAD WIRE SEALS

TO SECURE AMMUNITION CONTAINERS IS NO LONGER PERMITTED;
HOWEVER, EXISTING STOCKS ON HAND MAY BE USED UNTIL EXHAUSTED.

LEAD WIRE SEALS IN SERVICEABLE CONDITION CURRENTLY SECURING
AMMUNITION CONTAINERS DO NOT NEED TO BE REPLACED WITH NON-LEAD
WIRE SEALS.

NEITHER GENERAL SERVICES ADMINISTRATION (GSA) NOR DEFENSE
SUPPLY CENTER (DLS) CURRENTLY STOCK APPROPRIATE WIRE SEALS.
UNTIL EITHER BEGINS STOCKING REPLACEMENT ITEM(S), NEW AND
APPROVED SECURITY SEALS AND WIRE MUST BE PROCURED LOCALLY.

FOR NAVY AND MARINE CORPS AMMUNITION STORAGE ACTIVITIES,
INCLUDING ACTIVITIES INVOLVED IN RENOVATION PROCESSES, THE
ALUMINUM SEALS AND WIRE LISTED IN PARAGRAPH 9 BELOW ARE
APPROVED FOR USE. THIS WILL ALLOW FOR CONTINUED USE OF
QUALITY ASSURANCE EMBOSsing SEALERS (CRIMPERS) WHICH PRODUCE
THE REQUIRED TRACEABILITY SYMBOL MADE UP OF THE ACTIVITY'S
AND THE INDIVIDUAL'S CODES.

MARCORSYSCOM (EES) HAS TESTED AND AUTHORIZED THE USE OF
THE FOLLOWING:

- (A) SEAL, ANTIPILFERAGE NO. 911 (NSN 5340-00-522-2514)
- (B) WIRE NO. 26SP (NSN 9505-00-006-5050), GALVANIZED STEEL,
.055 INCH (DIAMETER), .45/2X.45MM (MAKE UP OF WIRES),
34 LBS. (BREAK STRENGTH), AVAIL. IN PRE-CUT/SPOOLS
(1/2 LBS - 167FT, OR 2 1/2 LBS 835FT). PRE-CUT ITEM
SUGGESTION WOULD BE THE 12 INCH AND CUT IN HALF.
THESE ITEMS ARE SOLD SEPARATELY BY STOFFEL
SEALS CORPORATION, 400 HIGH AVENUE, P.O. BOX 825,
NYACK, NEW YORK 10960. PHONE (914) 353-3800
FAX (914) 353-3876. 1 800 344-4772.

NOTE: CURRENT CRIMPERS WORK WITH THESE ITEMS.

FOR PRODUCTION OR RENOVATION OPERATIONS THAT DO NOT
REQUIRE TRACEABILITY SYMBOLS AT THE INDIVIDUAL LEVEL,
PRONG-LOK PRO-4 SEALS ARE ACCEPTABLE.

AMMO INFO NOTICE 003-2001:

SUBJ: CARTRIDGE, 25MM, APDS-T, M791, LINKED (1305-A974)
THIS AIN SUPERSEDES SPCC AIN 024-94 (DTG 151934Z JUN 94).
REF NSWCRANE MSG 062216Z JUN 94.

EXTREME CAUTION SHOULD BE EXERCISED WHEN SHOOTING THE A974,
25MM ARMOR PIERCING, DISCARDING SABOT TRACER (APDS-T) CARTRIDGE
(M791) FROM THE MK 38 CHAIN GUN. THE SABOT DEBRIS FROM THE
CARTRIDGE CAN CAUSE INJURY TO HUMANS AND DAMAGE TO SURFACE
STRUCTURES. THE DEBRIS AREA FROM THE ACTUAL SABOT PETALS
EXTENDS DOWNRANGE 100M (109 YDS) AT A CONE ANGLE OF 30 DEGREES
FROM LINE OF FIRE. EVEN MORE DANGEROUS IS THE ALUMINUM BASE
DEBRIS AREA THAT EXTENDS DOWNRANGE 400M (437 YDS) AT A CONE
ANGLE OF 5 DEGREES FROM LINE OF FIRE.

THIS ROUND IS NOT AUTHORIZED FOR OVERHEAD FIRE BECAUSE
OF THE SABOT DEBRIS.

AMMO INFO NOTICE 005-2001:

SUBJ: SPECIAL, HANDLING PRECAUTIONS FOR PROJECTILE, 155MM, M864
(1320-D864)

THIS AIN SUPERSEDES NOC AIN 022-94 (DTG 111935Z MAY 94).

REQUEST ORGANIZATIONS DISSEMINATE THIS INFORMATION TO
ALL POTENTIAL HANDLING, STORAGE, TRANSPORTATION AND USING UNITS.

M864 (D864) PROJECTILES ARE SUSCEPTIBLE TO CRITICAL
DEFECTS THAT ARE NOT EASILY VISIBLE IF THE ROUNDS ARE
DROPPED, ESPECIALLY IF DROPPED NOSE DOWN, OR ROUGHLY
HANDLED. IT'S POSSIBLE THAT THE BASE WILL PARTIALLY
OR COMPLETELY SEPARATE FROM THE BODY. ALL ROUNDS THAT
DID OR SHOW INDICATIONS THAT THEY MAY HAVE RECEIVED A
SUDDEN SHOCK TO THE NOSE OR SIDE WILL BE EXAMINED FOR
A LOOSE BASE. IF THE BASE IS OR APPEARS TO BE SEPARATED

FROM THE BODY, THE IMMEDIATE AREA WILL BE EVACUATED. IF THERE APPEARS TO BE NO BASE/BODY SEPARATION, THE ROUND(S) WILL BE PLACED IN A SEGREGATION AREA. NO FURTHER MOVEMENT OF THE ROUND(S) WILL BE ATTEMPTED UNTIL EOD HAS INSPECTED THE ROUND(S) AND PROVIDED GUIDANCE.

PROJECTILES DETERMINED TO HAVE BASE GAP FAILURES IDENTIFIED DURING FIELD OPERATIONS BY USING UNITS SHALL BE HANDLED BY CONTACTING LOCAL EOD PERSONNEL FOR ONSITE DISPOSAL. PROJECTILES THAT SHOW SIGNS OF BASE SEPARATION SHALL NOT BE REPACKAGED FOR TRANSPORTATION OR HANDLED IN A MANNER THAT MAY CAUSE COMPLETE BASE SEPARATION AND EXPOSURE TO DANGEROUS COMPONENTS.

THE INSPECTION WILL CONSIST OF VISUAL INSPECTION AND GAGING OF BASE/BODY GAP. GAGING NEED NOT TO BE PERFORMED IF DAMAGE IS NOT EVIDENT (IF A SEPARATION HAS IN FACT OCCURRED, THE GAP WILL BE VISUALLY NOTICEABLE). THE OBTURATOR IS TO BE FORCED AWAY FROM THE ROTATING BAND USING A SCREWDRIVER OR SIMILAR INSTRUMENT, USING ONLY SUFFICIENT FORCE TO EXPOSE BASE/BODY GAP. CARE IS TO BE TAKEN NOT TO DAMAGE OBTURATOR. THE OBTURATOR IS TO BE REPOSITIONED FOLLOWING GAGING.

THE PROJECTILE IS TO BE REJECTED (CRITICAL DEFECT) IF A .015 FEELER GAGE ENTERS MORE THAN .125 INCH DEPTH (APPROX. 1/8 INCH) FOR 360 DEGREES CIRCUMFERENCE OR IF A .025 INCH FEELER GAGE ENTERS FOR THIS DEPTH AT A CONTINUOUS 45 DEGREE ARC. IF THE CRITICAL DEFECT IS INDICATED, PLACE THE PROJECTILE IN CONDITION CODE H PENDING DISPOSAL INSTRUCTIONS.

ADDITIONALLY, MISSING OR DAMAGED (TORN, PUNCTURED, OR PEELING) BASEBURNER WEATHER SEAL WILL BE CLASSIFIED AS A MAJOR DEFECT. ROUNDS WITH THESE DEFECTS WILL NOT BE FIRED AND WILL ALSO BE PLACED IN CONDITION CODE H PENDING DISPOSAL INSTRUCTIONS.

ALL FAILURES SHALL BE REPORTED IAW AMMUNITION MALFUNCTION AND DEFECT REPORTING SYSTEM MCO 8025.1. SUBJ: PROJECTILE, 155MM HE RAAM-L WITH SUFFIX ALPHA (1320-D503)

THIS AIN SUPERSEDES SPCC AIN 050-86 (DTG 301850Z JUL 86)

IT HAS BEEN REPORTED THAT SOME ROUNDS OF D503 (M718) PROJECTILES HAVE AN "A" SUFFIX ADDED TO THE LOT NO. AN INVESTIGATION REVEALED THAT THE "A" SUFFIX WAS ADDED TO THE AMMO LOT NO. OF A SMALL QUANTITY OF EACH LOT LISTED BELOW TO IDENTIFY PROJECTILES WITH MINES THAT WERE RECLEANED, PAINTED AND REASSEMBLED. THESE "A" SUFFIXED PROJECTILES WERE THEN MIXED IN WITH THE PARENT LOT. THE FOLLOWING LOTS ARE AFFECTED FOR D503:

LOT NUMBER	QTY PRODUCED	QTY WITH SUFFIX ADDED
IOP81K102-003	1713	12
IOP81K102-004	10	1
IOP81K102-006	948	6

SINCE A LOT SUFFIX IS NOT REQUIRED WHEN PERFORMING PRESERVATION AND PACKING TYPE MAINTENANCE, THE AMMO DATA CARDS ARE BEING REVISED TO DELETE ALL REFERENCE TO THE "A" SUFFIX. BASED ON THIS, THE "A" SUFFIX ON THOSE QTYS LISTED ABOVE IS TO BE DELETED DURING REGULAR SCHEDULED INSPECTION. ALL LISTED LOTS REMAIN OFFICIALLY UNSUFFIXED AS OF THE DATE OF 30 JULY 86.

SUBJ: PROCEDURES FOR THE EFFECTIVE CONTROL AND RECEIPT OF A PARTIAL DODIC M757 CHARGE, DEMOLITION ASSEMBLY, M183 (1375-M023,M 757)

THIS AIN SUPERSEDES NALC AIN 009-01 (DTG 151940Z NOV 00).

AMMO INFO NOTICE 007-2001:

AMMO INFO NOTICE 010-2001:

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

WHEN A CHARGE, DEMOLITION ASSEMBLY M183 (M757), IS TURNED IN WITH ONE OR MORE OF THE 16 INDIVIDUAL M112 CHARGE BLOCKS REMOVED, THE REMAINING BLOCKS SHALL BE IDENTIFIED AND RECEIPTED AS DODIC M023, CHARGE, DEMOLITION BLOCK TYPE, COMP C-4, 1- 1/4 LB, M112. A NAVMC 10774, OR EQUIVALENT ACCOUNTABLE RECORD SHALL BE CREATED AS APPROPRIATE.

THE SOURCE DOCUMENT FOR THE INITIAL ENTRY ON THE NAVMC 10774 CARD OR OTHER ACCOUNTABLE RECORD SHALL BE THE 1348-1 PREPARED BY THE USER FOR THE TURN-IN, USING A DIC OF D6A. THE NSN SHALL BE 1375-00-724-7040 FOR M112 BLOCKS WITHOUT TAGGANT (FROM AN NSN 1375-00-926-3985 M757), OR NSN 1375-01-389-3854 FOR M112 BLOCKS WITH TAGGANT (FROM AN NSN 1375-01-398-0060 M757). THE LOT NUMBER SHALL BE AS STENCILED ON THE M112 BLOCKS. IF THE LOT NUMBER IS NOT ON THE M112 BLOCKS, REFER TO THE M757 AMMUNITION DATA CARD FOR CORRECT LOT NUMBER IDENTIFICATION. THE UNIT OF ISSUE SHALL BE EACH (EA), WITH ANY UNUSED PRIMING ASSEMBLIES (NO DODIC/NSN, QTY 4 (WITH 8 BOOSTERS) PER M757) RECEIVED AS UNSERVICEABLE EXCESS. UNUSED PRIMING ASSEMBLIES SHALL BE STORED IN AN APPROPRIATE CONTAINER, AND DISPOSITION INSTRUCTIONS SHALL BE REQUESTED.

UPON ESTABLISHMENT OF A SEPARATE RECORD FOR DODIC M023 GENERATED BY USER TURN-IN, THE INDIVIDUAL BLOCKS BECOME CONSUMABLE END ITEMS. ASSETS AND OTHER RECORDS WILL BE MANAGED, REPORTED, AND DISPOSED OF AS FOR ALL OTHER CLASS V(W) END ITEMS.

FOR COMMANDERS CONTROLLING CLASS V(W) ALLOWANCES, UNITS THAT RETURN A PARTIAL M757, AND HAVE ESTABLISHED ALLOWANCES FOR M023, WILL RECEIVE CREDIT FOR THE UNUSED M023 BLOCKS, AND SHOULD CONSIDER THE PARTIAL M757 AS A FULLY EXPENDED ROUND.

AMMO INFO NOTICE 013-2001:

SUBJ: ALTERNATE PALLETIZATION OF SEPARATE LOADING PROJ (1320-D501,D502,D503, D505,D509,D528,D544,D550,D579,D563,D864)

THIS AIN SUPERSEDES SPCC AIN 017-89 (DTG 292001Z DEC 88).

UNDER ORDINARY SITUATIONS ONLY ONE LIGHT BOX, PALLET, OR UNIT SHOULD BE ALLOWED PER LOT IN STORAGE. HOWEVER, AND DEPENDENT UPON PROJECTILE QUANTITY REMAINING IN PRODUCTION RUN, FORMATION OF TWO LIGHT PALLETS MAY BE ADVISABLE. FOR INSTANCE, IF NINE ROUNDS OF 155MM PROJECTILES REMAIN TO BE PALLETIZED NORMAL CONFIGURATION WOULD MANDATE ONE FULL PALLET OF EIGHT AND A LIGHT PALLET OF ONE. HOWEVER, WHEN CONSIDERING PALLET WEIGHT, WEIGHT DISTRIBUTION, PROPER AND SECURE BANDING, STABILITY AND EASE OF HANDLING, FORMATION OF TWO LIGHT PALLETS OF FIVE AND FOUR ROUNDS RESPECTIVELY IS MORE DESIRABLE. THIS PROCEDURE IS RECOMMENDED AND AUTHORIZED.

WHEN USING TWO LIGHT PALLETS ENSURE EACH IS IDENTIFIED WITH AN ORANGE TAG CONTAINING FOLLOWING INFORMATION: NSN, NOMENCLATURE, QUANTITY, LOT NUMBER, CORRECT WEIGHT AND CUBE.

AMMO INFO NOTICE 014-2001:

SUBJ: CARTRIDGE, 40MM, HE, M383 (1310-B571)

THIS AIN APPLIES TO U.S. NAVY STOCK ONLY.

ALL CARTRIDGE, 40MM, HE, M383 AMMUNITION MANUFACTURED PRIOR TO MA-85L006-034 (INCLUDING SUFFIXED LOTS) HAVE BEEN PERMANENTLY SUSPENDED FOR 100 PERCENT INSPECTION (X-RAY/FLUOROSCOPIC) FOR PRESENCE OF COPPER CLOSURE CUP. EACH LOT INSPECTED WILL RECEIVE A

SUFFIX AND BE SUITABLE FOR ISSUE AND USE.

DSR CARDS FOR NAVY LOTS NOT PREVIOUSLY RECRIMPED FOR USE

AMMO INFO NOTICE 016-2001:

IN MK 19 MOD 3 MG WILL BE MARKED -AFTER FLUOROSCOPIC/X-RAY INSPECTION, ALL ROUNDS THIS LOT WILL BE PLACED IN C/C BRAVO, RESTRICTED FROM FIRING IN MK 19 MOD 3 MG UNTIL RECRIMPING HAS BEEN ACCOMPLISHED-.

SUBJ: CHARGE DEMOLITION:POSSIBLE INCORRECT MARKINGS ON CAF MFG LOTS (1375-M420)

1375-M420 LOTS MANUFACTURED BY CANADIAN ARSENAL LTD. (CAF MFG SYMBOL) MAY BE MARKED WITH THE INCORRECT NSN.

THE CAF MANUFACTURED LOTS PACKAGED QTY 3 TO A RECTANGULAR WOODEN BOX WITH NOMINAL LENGTH 34, WIDTH 10, AND HEIGHT 10.5 INCHES SHOULD BE MARKED NSN 1375-00-926-3939.

THE CAF MANUFACTURED LOTS PACKAGED QTY 4 TO A ROUGHLY SQUARE WOOD WOODEN BOX WITH LENGTH 22.25, WIDTH 20.75, AND HEIGHT 17.25 INCHES SHOULD BE MARKED NSN 1375-01-023-7994.

IF NECESSARY, PRIOR TO ISSUE, RESTENCIL EACH BOX OF CAF MANUFACTURED M420 CHARGES WITH THE CORRECT NSN MARKINGS AS REQUIRED BY BOX SHAPE AND SIZE SHOWN ABOVE. BARRIER BAGGED INNER PACKING DOES NOT NEED TO BE OPENED FOR NSN VERIFICATION.

AMMO INFO NOTICE 019-2001:

SUBJ: SIGNALS OR MARKERS THAT HAVE BEEN ARMED OR TRIPPED (1370-L211,L212,L267, L579,L586,L587,L589,L590,L591)

THIS AIN SUPERSEDES SPCC AIN 006-86 (DTG 181900Z SEP 86).

IN ADDITION TO THE WARNINGS PROVIDED BY NAVSEA SW050-AB-MMA-010, IT MUST BE EMPHASIZED THAT SIGNALS OR MARKERS THAT HAVE BEEN ARMED OR TRIPPED MUST BE POSITIVELY SHIELDED TO PREVENT WATER ENTRY INTO THE FUZE, EVEN IF THE FUZE HAS BEEN REASSEMBLED.

- (A) IF SAFETY COTTER PINS (YELLOW AND RED TAGGED) ARE PREMATURELY OR ACCIDENTALLY REMOVED, THE LATCH MAY BE ACCIDENTLY TRIPPED, ARMING THE FUZE. IF THE FUZE IS ARMED THE GUIDE SHOE CAN RAISE AND ROTATE AFT ALLOWING SEPARATION OF VALVE, O-RING AND INTERNAL SPRING.
- (B) WARNING: IF THE FUZE HAS BEEN ARMED, POSITIVE SAFING CANNOT BE ASSURED. THE SIGNAL MUST BE SHIELDED FROM ANY POSSIBLE CONTACT WITH WATER. NO LAUNCH SHALL BE ATTEMPTED.
- (C) REASSEMBLE THE FUZE MECHANISM AS FOLLOWS:
 - (1) REPLACE THE O-RING AND VALVE
 - (2) RETURN THE GUIDE SHOE TO THE ORIGINAL POSITION: WITH THE LATCH AFT, FULLY DEPRESS THE GUIDE SHOE FORWARD, APPROXIMATELY 25 LBS FORCE REQUIRED. MAINTAIN FORCE AND MOVE LATCH FORWARD, LOCKING GUIDE SHOE IN PLACE.
 - (3) REPLACE RED TAGGED COTTER PIN THEN BEND ENDS TO SECURE IN PLACE.
- (D) WARNING: FUZE MUST BE SHIELDED FROM ANY POSSIBLE EXPOSURE TO WATER.
- (E) MARK THE DEVICE THEN PLACE IT IN A COMPLETELY DRY AREA FOR SUBSEQUENT DISPOSAL.

AMMO INFO NOTICE 020-2001:

SUBJ: CTG,3-50, VT-RF GUN AMMUNITION: VT ON-OFF SWITCH (1315-C319,C320,C355, C356,C373,C375)

THIS AIN SUPERSEDES SPCC AIN 010-91 (DTG 231945Z JAN 91).

3/50 CALIBER VT-RF AMMUNITION WILL BE ENCOUNTERED WITH MK 72 MODS 12 AND 13 PROXIMITY FUZES WITH OR WITHOUT A VT ON-OFF SWITCH. PRESENCE OF THE VT ON-OFF SWITCH WAS ELIMINATED ON LATER PRODUCTION FUZES DUE TO PERCEIVED LACK OF NEED AND TO IMPROVE AMMUNITION SHELF LIFE. AMMUNITION WITH FUZES INCORPORATING THE SWITCH FEATURE SHOULD BE FIRED SET IN THE

"VT" POSITION UNLESS A SPECIFIC NEED FOR IMPACT FUNCTION EXISTS.

THE NEXT REVISIONS OF SW300-BO-ORD-010 AND SW030-AA-MM0-010 WILL INCLUDE THIS AIN.

AMMO INFO NOTICE 021-2001:

SUBJ: ROCKET, ASSUALT 83MM WITH GRAND LOT NUMBERS (1340-HX05)
THIS AIN SUPERSEDES AIN 069-00 (DTG 281950z SEP 00).

ROCKET ASSAULT 83MM, MK 3, SMAW, LOT NUMBERS WITH "G" IN THE 10TH SPACE ARE GRAND LOTS THAT CAN INCLUDE UP TO 200 OR MORE INDIVIDUAL LOT NUMBERS AND 600 SERIAL NUMBERS. THESE ROCKETS WERE INCLUDED IN GRAND LOTS, BY THE MANUFACTURER, AT THE DIRECTION OF HQMC TO ACCOMMODATE FULL UNIT PACKS AND TO GROUP ROCKETS W/FIRING RESTRICTIONS. A MALFUNCTION OF ONE OF THESE ROCKETS WHICH COULD NOT BE IDENTIFIED TO A SPECIFIC LOT AND SERIAL NUMBER WILL RESULT IN RESTRICTION OF ALL LOTS INCLUDED IN THE GRAND LOT. MARINE CORPS USERS WILL RECORD, PRIOR TO FIRING AND REPORT IF A MALFUNCTION OCCURS, THE GRAND LOT NUMBER AND LOT NUMBER.

GRAND LOT ROCKETS HAVE TWO DATA PLATES. THE GRAND LOT NUMBER ON ONE PLATE CAN BE DISTINGUISHED BY THE PRESENCE OF A "G" IN THE 10TH POSITION OF THE LOT NUMBER. THE OTHER DATA PLATE WILL CONTAIN THE ORIGINAL LOT NUMBER. ALL MUST BE RECORDED PRIOR TO FIRING EACH ROCKET.

ASSISTANCE IN DETERMINING GRAND LOTS CAN BE GAINED FROM LOCAL AMMUNITION OFFICERS OR FROM MARCORSYSCOM (AM).

ACTIVITIES ISSUING ROCKETS WITH THIS RESTRICTION WILL ENSURE THAT A COPY OF THIS AMMO INFO NOTICE IS PROVIDED WITH EACH ISSUE DOCUMENT. EXTRA COPIES OF THE AMMO INFO NOTICE CAN BE PRODUCED LOCALLY.

AMMO INFO NOTICE 024-2001:

SUBJ: MORTAR PROPELLING CHARGE AND SUPPORT ASSEMBLY (1310-B642, B643, B646, B647)(1315-C226, C256, C276, C868, C869, C870, C871, C875)
REF CDRMAC ROCK ISLAND IL 131927Z SEP 00.

THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.

THIS AIN WILL BE ISSUED TO ALL USERS OF 60MM AND 81MM MORTARS.

ALL PROPELLANT INCREMENTS AND THE PROPELLANT SUPPORT ASSEMBLY NEED TO BE PRESENT, CLEAN, DRY, AND PROPERLY INSTALLED PRIOR TO RETURNING TO THE AMMUNITION SUPPLY POINT.

FIELD REPORTS INDICATED THAT ROUNDS ISSUED FOR TRAINING, PREPARED FOR FIRING BUT NOT SUBSEQUENTLY FIRED, ARE OFTEN RETURNED TO THE AMMUNITION SUPPLY POINT WITH THE PROPELLANT INCREMENT CHARGES OR PROPELLANT SUPPORT ASSEMBLY MISSING. AMMUNITION SUPPLY POINTS AND OTHER TURN-IN LOCATIONS DO NOT HAVE THE CAPABILITY TO REQUISITION AND RE-INSTALL THESE COMPONENTS SO THAT THE ROUNDS MAY BE CONSIDERED SERVICEABLE.

A REVIEW OF USER-LEVEL TECHNICAL REFERENCES, TM 9-1010-223-10, OPERATOR'S MANUAL, 60MM, M224 DTD 15 SEP 98, INDICATES THAT THE RE-INSTALLATION OF THE SUPPORT ASSEMBLY AND PROPELLANT INCREMENTS WHEN PREPARING UNFIRED ROUNDS FOR TURN-IN IS NOT GIVEN SPECIAL EMPHASIS.

IT HAS BEEN NOTED THAT 60MM ILLUMINATION CARTRIDGE M721 (DODIC B647) LOT MANUFACTURED PRIOR TO 1995 WERE PRODUCED WITH THE INCREMENT PROTECTOR POSITIONED 180 DEGREES OFF, FOAM IS IN CONTACT WITH THE FIN. NO DAMAGE TO THE INCREMENTS HAVE BEEN REPORTED FROM THIS DEFECT. ROUNDS THAT ARE REMOVED FROM FIBER TUBES SHOULD HAVE THE INCREMENT PROTECTORS POSITIONED OVER THE PROPELLANT INCREMENTS IF RETURNED.

IN COLD WEATHER CONDITIONS THE INCREMENT PROTECTOR FOAM

IS KNOWN TO BECOME RIGID AND IN SOME CASES CANNOT BE PLACED BACK OVER THE INCREMENTS. IF THIS OCCURS, IT IS ACCEPTABLE TO REPLACE THE INCREMENT PROTECTOR 180 DEGREES OUT WITH THE FOAM IN CONTACT WITH THE FIN.

ALL UNITS REQUISITIONING M700 SERIES 60MM ROUNDS; M200, M400, AND M800 SERIES 81MM ROUNDS, WHICH UTILIZE A PROPELLANT INCREMENT CHARGE AND PROPELLANT SUPPORT ASSEMBLY, ARE TO BE ALERTED TO THE IMPORTANCE OF ASSURING THAT THE PROPELLANT INCREMENTS AND SUPPORT ASSEMBLIES ARE REASSEMBLED TO UNFIRED ROUNDS PRIOR TO TURN-IN. THROUGH THIS POLICY, AN OPTIMUM SERVICEABILITY POSTURE MAY BE MAINTAINED, AND MAXIMUM USER SAFETY MAY BE ASSURED.

AMMO INFO NOTICE 027-2001:

SUBJ: JAU-22/B INITIATOR LOTS WITH INCORRECT NSN (1377-MF64).

LOT NUMBERS AMJ00L005-001, AMJ00M005-002, AND AMJ00M005-003 OF THE JAU-22B CARTRIDGE ACTUATED INITIATOR, DODIC MF64 ARE INCORRECTLY MARKED WITH NSN 1377-01-446-3791, THE NSN FOR THE UNIT PACK OF 24 EACH. THESE LOTS ARE PACKAGED 4 PER INNER CONTAINER. REPORT ALL INVENTORY OF THESE LOTS UNDER NSN 1377-01-110-7306. THIS DISCREPANCY DOES NOT AFFECT FORM, FIT, OR FUNCTION. THIS DISCREPANCY IS WELL DOCUMENTED. FUTURE PQDRS AND RODS ARE NOT REQUIRED.

AMMO INFO NOTICE 028-2001:

SUBJ: SIMULATORS, EXPLOSIVE BOOBYTRAP FLASH M117, ILLUMINATING M118 AND WHISTLING M119 (1370-L598,L599,L600)

THIS AIN SUPERSEDES NOC AIN 010-97 (DTG 151935Z SEP 97).

REQUEST DISSEMINATE THIS INFORMATION TO ALL ORGANIZATIONS AND PERSONNEL UTILIZING THESE SIMULATORS.

WARNING: DEATH, SERIOUS PERSONNEL INJURY, OR DAMAGE TO MARINE CORPS AND NAVY EQUIPMENT COULD OCCUR IF PROPER OPERATION

PROCEDURES ARE NOT FOLLOWED.

PRIOR TO USING THE SIMULATOR, PERSONNEL WILL BE INSTRUCTED IN THE PROPER USE AND SAFETY PRECAUTIONS FOR HANDLING AND FUNCTIONING THESE TYPES OF SIMULATORS CONTAINED IN TM 9-1370-207-10 OPERATORS MANUAL FOR PYROTECHNIC SIMULATORS.

REMOVE CAP TAPE S-L-O-W-L-Y WHILE HOLDING CAP FIRMLY IN PLACE -- ENSURE CAP TAPE IS NOT ADHERING TO THE PULL CORD. IF CAP TAPE ADHERES TO THE PULL CORD, DO NOT USE -- TURN IN TO ASP/STATION ORDNANCE AS UNSERVICEABLE.

REMOVE PROTECTIVE CAP S-L-O-W-L-Y. ENSURE CAP IS NOT ATTACHED TO THE PULL CORD. IF PROTECTIVE CAP IS ADHERING TO THE PULL CORD, DO NOT USE -- TURN IN TO ASP/STATION ORDNANCE AS UNSERVICEABLE.

IF PULL CORD ADHERES TO THE TOP DISC, DO NOT USE -- TURN IN TO ASP/STATION ORDNANCE AS UNSERVICEABLE.

A COPY OF THIS AIN WILL BE PERMANENTLY ATTACHED TO TM 9-1370-207-10 UNTIL THIS ADDITIONAL GUIDANCE HAS BEEN INCORPORATED.

ALL DEFICIENCIES OR MALFUNCTIONS FOUND DURING INSPECTIONS OR USE WILL BE REPORTED IN ACCORDANCE WITH MCO 8025.1C FOR MARINE CORPS AND OPNAV 5100.21B FOR NAVY.

AMMO INFO NOTICE 029-2001:

SUBJ: M2A1 CANS WITH MINOR RUST AND EXTRA MARKING (1305-A011)

THIS AIN SUPERSEDES NALC AIN 022-01 (DTG 291935Z JAN 01).

THIS AIN APPLIES TO NAVY STOCK ONLY.

THIS AIN APPLIES TO NALC A011, NSN 1305-01-232-8338, AMMUNITION LOT NUMBERS (ALNS) FC-00B001-001, FC-00B001-002, AND FC-00B001-003. THESE LOTS WERE DELIVERED TO THE NAVY IN M2A1 AMMUNITION CANS WITH MINOR RUST AND EXTRA

MARKING. THESE CANS HAVE A BLUE GRASS ARMY DEPOT (BGAD) INSPECTOR'S STAMP STENCILED ON THEM. THIS STENCILING IS AN INTERNAL BGAD TECHNIQUE FOR INDICATING THE CONTAINER IS EMPTY OR INERT. ALTHOUGH THIS MARKING SHOULD HAVE BEEN OBLITERATED PRIOR TO REUSING THE CANS, IT IS NOT RELEVANT TO NAVY USERS AND SHOULD BE DISREGARDED.

ASSETS OF LOTS FC-00B001-001, FC-00B001-002, AND FC-00B001-003 HAVE BEEN RESTRICTED TO CONDITION CODE CHARLIE FOR PRIORITY OF ISSUE PER NAR 0161-01. WHENEVER POSSIBLE, THESE LOTS SHOULD BE ISSUED AND EXPENDED PRIOR TO OTHER A011 LOTS.

AMMO INFO NOTICE 030-2001:

SUBJ: AMMUNITION RETROGRADE FROM SOUTHWEST ASIA SWA THIS AIN SUPERSEDES NALC AIN 012-01 (DTG 201940Z NOV 00). THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY. TO IDENTIFY MUNITIONS THAT WERE ON THE GROUND IN SOUTHWEST ASIA "SWA" DURING DESERT SHIELD/DESERT STORM, THE LOT IDENTIFIER "Y" HAS BEEN ASSIGNED. THIS IDENTIFIER, AT A MINIMUM, WILL BE APPLIED TO EACH EXTERIOR PACK, OR PALLETS WILL BE PLACARDED ON ALL SIDES WITH EITHER THE CORRECT LOT NUMBER (WITH THE Y IDENTIFIER), THE ACRONYM "SWA" OR A TAG BEARING THE LETTER Y. WHEN PALLET BANDING IS REMOVED, THE Y IDENTIFIER WILL BE APPLIED TO THE LOT NUMBER ON EACH UNIT PACK. APPLYING THE Y IDENTIFIER TO INTERNAL PACKING AT SUPPLY POINTS IS NOT NECESSARY; HOWEVER, CARE MUST BE TAKEN TO ASSURE THAT ALL ISSUING AND RECEIVING PAPERWORK PROPERLY IDENTIFIES Y-LOTS. IF OUTER PACKING IS MISSING, THE Y IDENTIFIER WILL BE APPLIED TO THE MARKINGS ON THE INTERNAL PACKING. LOT NUMBERS ON INTERNAL PACKING WILL HAVE THE Y IDENTIFIER APPLIED DURING MAINTENANCE, REWORK OR 100 PERCENT INSPECTION ACTIONS. FOR ITEMS TRACKED ONLY AT THE SERIAL NUMBER LEVEL, (MATERIAL CONTROL CODE (MCC) C) THE IDENTIFIER WILL BE APPLIED TO THE SERIAL NUMBER. FOR ITEMS TRACKED AT THE SERIAL AND LOT NUMBER (MCC E), THE Y IDENTIFIER WILL BE APPLIED ONLY TO THE LOT NUMBER.

THIS Y IDENTIFIER IS NOT A SUFFIX, AND THE LOT DOES NOT REQUIRE A SEPARATE AMMUNITION DATA CARD. HOWEVER, A LOT WITH THE Y IDENTIFIER (Y-LOT) DOES REQUIRE A SEPARATE DEPOT SURVEILLANCE RECORD (DSR), SEGREGATION IN STORAGE, AND REPORTING AS A SEPARATE LOT.

EXAMPLES OF WHERE TO APPLY THE Y IDENTIFIER FOLLOW:

(A) NEW FORMAT LOT NUMBERS:

Y WILL BE PLACED IN THE 10TH POSITION.

VGT90A001-001 WOULD BECOME VGT90A001Y001

(B) NEW FORMAT LOT NUMBERS WITH ALPHA CHARACTER IN 10TH POSITION:

Y (PRECEDED BY A DASH) WILL BE ADDED AT END OF THE LOT NUMBER.

DASH PRECEDING Y IS RESERVED FOR APPLYING SUFFIX FOLLOWING REWORK.

VGT90A001G001 WOULD BECOME VGT90A001G001-Y

VGT90A001G001A WOULD BECOME VGT90A001G001AY

(C) OLD FORMAT LOT NUMBERS:

Y (PRECEDED BY A DASH) WILL BE ADDED AT END OF THE LOT NUMBER.

DASH PRECEDING Y IS RESERVED FOR APPLYING SUFFIX FOLLOWING REWORK.

HAQ-123-3 WOULD BECOME HAQ-123-3-Y

HAQ-123-3A WOULD BECOME HAQ-123-3AY

(D) NEW FORMAT PROPELLANT LOT NUMBERS WITH 0 (ZERO)

IN THE 8TH POSITION:

Y WILL BE PLACED IN 8TH POSITION.

IND88A-070804 WOULD BECOME IND88A-Y70804

- (E) NEW FORMAT PROPELLANT LOT NUMBERS WITH ALPHA CHARACTER IN 8TH POSITION:

Y (PRECEDED BY A DASH) WILL BE ADDED AT END OF THE LOT NUMBER.

DASH PRECEDING Y IS RESERVED FOR APPLYING SUFFIX FOLLOWING REWORK.

IND88A-G70804 WOULD BECOME IND88A-G70804-Y

IND88A-G70804A WOULD BECOME IND88A-G70804AY

- (F) OLD FORMAT PROPELLANT LOT NUMBERS:

Y (PRECEDED BY DASH) WILL BE ADDED AT END OF THE LOT NUMBER.

DASH PRECEDING "Y" RESERVES SPACE FOR APPLYING SUFFIX FOLLOWING REWORK.

RAD-65268 WOULD BECOME RAD-65268-Y

RAD-65268A WOULD BECOME RAD-65268AY

IND-BR-66007 WOULD BECOME IND-BR-66007-Y

- (G) SERIAL NUMBERS:

Y WILL BE ADDED AT END OF THE SERIAL NUMBER. NO DASH WILL BE ADDED TO THE SERIAL NUMBER.

NOTE: THE Y IDENTIFIER WILL BE APPLIED TO SERIAL NUMBERS ONLY FOR ITEMS NOT TRACKED AT THE LOT LEVEL (MATERIAL CONTROL CODE (MCC) C).

670765 WOULD BECOME 670765Y

670765A WOULD BECOME 670765AY

GUIDANCE REGARDING SUSPENSIONS, RESTRICTIONS AND RELEASES FOR Y-LOTS FOLLOWS:

- (A) SUSPENSIONS, RESTRICTIONS, OR RELEASE ACTIONS FOR A BASIC LOT WILL ALSO APPLY TO ITS CORRESPONDING Y-LOT IF THE Y-LOT IS NOT SPECIFICALLY LISTED. FOR EXAMPLE, A NOTICE OF AMMUNITION RECLASSIFICATION (NAR) AGAINST G881 LOT LS-83K058-009 WILL ALSO APPLY TO LOT LS-83K058Y009.

- (B) SUSPENSIONS, RESTRICTIONS, OR RELEASE ACTIONS TAKEN AGAINST A SPECIFICALLY LISTED Y-LOT DOES NOT APPLY TO THE BASIC LOT. FOR EXAMPLE, A NAR AGAINST N340 LOT MA-81L001Y056 DOES NOT APPLY TO LOT MA-81L001-056.

- (C) FOR OVERHEAD FIRE STATUS, CARE MUST BE TAKEN TO EXAMINE BOTH THE CLEARED AND NOT CLEARED PORTION (APPENDIXES B AND C) OF TWO24-AA-ORD-010. IT'S POSSIBLE FOR THE BASIC LOT TO BE IN ONE APPENDIX AND THE Y-LOT TO BE IN THE OTHER. FOR EXAMPLE, DODIC N285 LOT BWV82H012-024 CAN BE CLEARED FOR OVERHEAD FIRE BUT LOT BWV82H012Y024 COULD BE NOT CLEARED. IF A BASIC LOT IS IDENTIFIED AS BEING CLEARED OR NOT CLEARED FOR OVERHEAD FIRE, AND THE Y-LOT IS NOT SPECIFICALLY LISTED, THE STATUS ALSO APPLIES TO THE Y-LOT. A SPECIFICALLY IDENTIFIED Y-LOT CLEARED OR NOT CLEARED FOR OVERHEAD FIRE DOES NOT APPLY TO THE BASIC LOT.

AMMO INFO NOTICE 031-2001:

SUBJ: CARTRIDGE, 5.56MM,BALL,M193 (1305-A071)

THIS AIN SUPERSEDES NALC AIN 061-00 (DTG 192218Z SEP 00).

REF CMC WASH DC 280235Z JAN 87.

THERE HAVE BEEN RECURRING MISHAPS DUE TO INSUFFICIENT AMOUNTS OF PROPELLANT CONTAINED IN SOME A071 ROUNDS THUS CAUSING THE PROJECTILE NOT TO CLEAR THE WEAPON BORE UPON

FIRING. THE BULLET-IN-BORE CONDITION OCCURS WHEN A ROUND IS FIRED AND INSUFFICIENT CHAMBER PRESSURE IS GENERATED TO CAUSE THE BULLET TO EXIT THE BARREL. USUALLY THE BULLET WILL NOT TRAVEL DOWN BORE FAR ENOUGH FOR A SUBSEQUENT ROUND TO BE CHAMBERED WITHOUT USING THE BOLT ASSIST. HOWEVER, WHEN A BARREL IS VERY NEARLY WORN OUT, THE BULLET MAY TRAVEL DOWN BORE FAR ENOUGH SO THAT USING THE BOLT ASSIST WOULD NOT BE NECESSARY TO CHAMBER THE NEXT ROUND. WHEN A BULLET-IN-BORE EXISTS AND A SUBSEQUENT ROUND IS CHAMBERED A HIGH PRESSURE MALFUNCTION CAN BE EXPECTED TO OCCUR. SOME INDICATORS OF A BULLET-IN-BORE CONDITION ARE, BUT NOT LIMITED TO:

- (A) AN AUDIBLE "POP". THE OPERATOR MAY MISTAKE THE "POP" FOR THE NOISE THE HAMMER MAKES WHEN IT FALLS.
- (B) REDUCED RECOIL.
- (C) FAILURE TO EXTRACT CARTRIDGE.
- (D) DIFFICULTY IN CHAMBERING NEXT ROUND.

IN ANY OF THE ABOVE CIRCUMSTANCES, THE OPERATOR SHOULD IMMEDIATELY CEASE FIRE. DO NOT APPLY IMMEDIATE ACTION, REPEAT, DO NOT APPLY IMMEDIATE ACTION. IMMEDIATELY CHECK TO SEE IF THE WEAPON IS CLEAR AND CHECK FOR AN OBSTRUCTION IN THE BORE. IF A PROJECTILE IS FOUND LODGED IN A BARREL OR A WEAPON IS DAMAGED BY WHAT IS FELT TO BE A PROJECTILE LODGED IN THE BARREL, SECURE THE WEAPON AND NOTIFY SUPPORTING MAINTENANCE UNIT. DO NOT REMOVE THE PROJECTILE FROM THE BARREL, CLEAN, REPAIR OR ISSUE THE WEAPON UNTIL TOLD TO DO SO BY ORDNANCE MAINTENANCE. ALL PERSONNEL FIRING THE M16A1 OR M16A2 UTILIZING A071 MUST BE BRIEFED ON THIS HAZARD PRIOR TO FIRING. ISSUING ACTIVITIES WILL PROVIDE A COPY OF THIS AIN WITH EACH ISSUE DOCUMENT FOR A071.

FOLLOWING REFS APPLY: TM 9-1005-249-10, TM 05538C-10/A AND TM 05380-0/1.

ALL UNITS WILL CONTINUE TO REPORT MALFUNCTIONS IAW MCO 8025.1_ AND OPNAVINST 5102.1C.

AMMO INFO NOTICE 032-2001:

SUBJ: TOW LOT NUMBER IDENTIFICATION (1410-PB93,PB96,PB97,PB99, PD62,PE96,PU68, WF10)

IT HAS BEEN NOTED THAT THE REPORTING OF THE OLDER (PRE-1990) TOW MISSILE AMMUNITION LOT NUMBERS (ALNS) (THOSE NOT IN 13 DIGIT FORMAT (I.E., HAQXXHXXX-XXX)), IS NOT STANDARD FROM ACTIVITY TO ACTIVITY. THIS AIN PROVIDES GUIDANCE NECESSITATED BY THE INCONSISTENCIES AS TO PROPER FORMAT FOR REPORTING THESE ALNS. THIS WILL PROMOTE REPORTING UNIFORMITY AND ASSURE THAT INVENTORIES AGREE WITH CURRENT AND FUTURE NOTICE OF AMMUNITION RESTRICTIONS (NARS).

THE OLDER ALNS HAVE A MANUFACTURER'S INDICATOR, POSSIBLY A SPACE, THEN A SERIES OF THREE OR FOUR NUMBERS FOLLOWED BY A TACK/DASH AND ADDITIONAL NUMBER(S) (I.E., HAQ XXX-X OR HAQXXXX-X). ALL UNITS WILL REPORT THIS TYPE OF ALN USING THE FORMAT HAQ-XXX-X OR HAQ-XXXX-X, PLACING A TACK/DASH BETWEEN THE MANUFACTURER'S INDICATOR AND THE FIRST SERIES OF NUMBERS. THIS ALSO APPLIES TO ALL ALNS WITH "Y" INDICATORS AND/OR SUFFIXES (I.E., HAQ-XXX-X-Y OR HAQ-XXXX-XAY). ALL NARS WILL LIST THE OLDER TOW MISSILE ALNS IN THIS FORMAT. ALL STORAGE ACTIVITIES WILL ENSURE THAT INVENTORIES HAVING MARINE CORPS ASSETS REFLECT THIS ALN FORMAT.

ACTIVITIES NEED NOT APPLY THE TACK/DASH TO PREVIOUS DOCUMENTATION AND/OR MIL-STD TAGS; HOWEVER, ALL FUTURE DOCUMENTATION AND MIL STD TAGS WILL INCLUDE THE TACK/DASH. INCORRECT BAR CODES AND MIL STD TAGS WILL BE UPDATED AS SOON

AMMO INFO NOTICE 036-2001:

AS IS PRACTICAL OR PRIOR TO ISSUE. IF THE STORAGE ACTIVITY DEEMS IT NECESSARY FOR CLARIFICATION, INDIVIDUAL CONTAINERS CAN BE CORRECTLY MARKED. NOTE: DO NOT APPLY A TACK/DASH AFTER THE MANUFACTURE'S INDICATOR TO NEW 13 DIGIT LOT NUMBERS (I.E., HAQ90H301-003).

SUBJ: CUTTER, CTG ACTUATED, M21 (1377-M500)

THIS AIN APPLIES TO U. S. MARINE CORPS STOCK ONLY.

CUTTER, CARTRIDGE, ACTUATED, M21 (M500) LOTS MANUFACTURED BY CHARLIND, INC. (CHI MFG SYMBOL) MAY BE MARKED WITH THE INCORRECT LOT NUMBER, INCORRECT NSN AND/OR MISSING NSN.

- (A) THE LOT NUMBER ON SOME ROUNDS IS MARKED IN THE FORMAT CHI-YY-M-XXX-XXX. DISREGARD THE DASH/TACK FOLLOWING THE CHI, THE YY AND THE M WITH LOT NUMBERS WITH THE YEAR AND THE MONTH IN THIS FORMAT.
- (B) THE CHI MANUFACTURED LOTS PACKAGED 10-CUTTERS TO ONE M19A1 METAL BOX, FOUR M19A1 BOXES (40-CUTTERS) PER WIREBOUND BOX, OR A RECTANGULAR WOODEN BOX WITH NOMINAL LENGTH 17.38, WIDTH 11.50, AND HEIGHT 8.12 INCHES SHOULD BE MARKED NSN 1377-00-300-7922.
- (C) THE CHI MANUFACTURED LOTS PACKAGED 80-CUTTERS TO A FIBER CNTR, ONE CNTR, BARRIER BAGGED, ONE BAG (80-CUTTER), PER WOODEN BOX, OR A ROUGHLY SQUARE WOODEN BOX WITH LENGTH 15.81, WIDTH 12.94, AND HEIGHT 9.34 INCHES SHOULD BE MARKED NSN 1377-00-060-0885.

IF NECESSARY, STORAGE ACTIVITIES SHOULD, PRIOR TO ISSUE, REMARK OR RESTENCIL EACH BOX OF CHI MANUFACTURED CUTTERS WITH THE CORRECT NSN MARKINGS AS IDENTIFIED BY BOX SHAPE AND SIZE SHOWN ABOVE. BARRIER BAGGED INNER PACKING DOES NOT NEED TO BE OPENED FOR NSN VERIFICATION.

AMMO INFO NOTICE 037-2001:

SUBJ: CONTROL PROCEDURES FOR MANAGEMENT OF MARINE CORPS SURVEILLANCE SAMPLING PROGRAM

THIS AIN SUPERSEDES SPCC AIN 012-93 (DTG 231935Z AUG 93).

MARINE CORPS PROGRAMS DEPARTMENT, NAVSURFWARCEMDIV CRANE, DET FALLBROOK, CODE 409, FALLBROOK CA (MCPD FALLBROOK CA) HAS BEEN DESIGNATED BY MARINE CORPS SYSTEMS COMMAND (MARCORSYSCOM)

PM-AM/QAM, AS THE MARINE CORPS TECHNICAL AGENT FOR SURVEILLANCE SAMPLE TESTING. IN PERFORMANCE OF ITS ASSIGNED MISSION, MCPD IS AUTHORIZED TO SELECT SURVEILLANCE SAMPLES FROM ALL ACTIVITIES STORING MARINE CORPS OWNED ASSETS. FURTHERMORE, MCPD IS AUTHORIZED TO PROVIDE SHIPPING INSTRUCTIONS/MILSTRIP THAT STORAGE ACTIVITIES WILL TAKE FOR ACTION. MCPD FALLBROOK CA (40923) WILL OFFICIALLY RELEASE ALL SAMPLED MATERIEL VIA THE DEFENSE MESSAGE SYSTEM (DMS). THE FOLLOWING GUIDELINES SHALL BE IMPLEMENTED AS CONTROL PROCEDURES FOR MANAGING THE MARINE CORPS SURVEILLANCE SAMPLING PROGRAM:

- (A) MCPD WILL TRANSMIT SURVEILLANCE SAMPLE PLANS, BY MESSAGE, TO ALL ACTIVITIES STORING REQUESTED ASSETS. MARCORSYSCOM QUANTICO VA (PM-AM/QAM) AND CDRMAC ROCK ISLAND IL (MCLO) WILL BE INFO'D ON ALL CORRESPONDENCE.
- (B) WITHIN THIRTY (30) DAYS OF DATE-TIME-GROUP OF MCPD MESSAGE, STORAGE ACTIVITIES WILL REPORT NON-AVAILABILITY OF SELECTED SAMPLES DIRECTLY TO MCPD. LOT NUMBERS, QUANTITIES, AND SOURCE LOCATIONS REQUESTED ON THE MCPD MESSAGE WILL NOT BE CHANGED

- OR SUBSTITUTED WITHOUT AUTHORIZATION FROM MCPD.
- (C) MCPD MESSAGE WILL REQUEST STORAGE ACTIVITIES TO RESERVE SELECTED LOTS/QUANTITIES BY PLACING THEM IN CONDITION CODE DELTA. WHENEVER ECONOMICALLY FEASIBLE, MCPD WILL REQUEST SAMPLES TO NEAREST UNIT/PALLET PACK.
 - (D) STORAGE ACTIVITIES WILL ACCOMPLISH STOCK TRANSFER TO CONDITION CODE DELTA WITHIN THIRTY (30) DAYS FROM THE DATE-TIME-GROUP OF THE MCPD MESSAGE.
 - (E) MCPD WILL INITIATE ELECTRONIC REQUISITION VIA MARCORSYSCOM AMMUNITION ACCOUNTING AND REPORTING SYSTEM.
 - (F) REQUISITIONS WILL BE ASSIGNED PROJECT CODE 880 AND WILL HAVE A DOCUMENT SERIAL NUMBER IN THE 0700 SERIES. PREPARATION OF ALL SAMPLES FOR SHIPMENT SHOULD BEGIN UPON RECEIPT OF SAMPLE REQUEST REQUISITION DOCUMENT/MILSTRIP, AND MUST BE ACCOMPLISHED WITHIN THIRTY (30) DAYS.
 - (G) WHEN SPECIFICALLY REQUIRED BY MCPD, ACTION WILL BE TAKEN TO PREPARE SURVEILLANCE SAMPLES FOR SHIPMENT IN THE FOLLOWING MANNER: SPECIFIED SAMPLES WILL HAVE A PLACARD ATTACHED WITH THE FOLLOWING:
 - (1) MARK FOR MCPD TEST
 - (2) SHIPPED FROM (APPROPRIATE STORAGE ACTIVITIES NAME)

NOTE: IF SPECIFIC REQUIREMENT IS NOT SITED, NO SPECIAL PLACARD WILL BE REQUIRED.

- (H) STORAGE SITES WILL SHIP SAMPLES SO AS TO ARRIVE NO LATER THAN THE REQUIRED DELIVERY DATE (RDD) GIVEN IN THE REQUISITION. STORAGE SITES WILL INCLUDE MCPD ON ALL REPSHIPS. IN THE EVENT THAT THE RDD CANNOT BE MET, THE SHIPPER WILL INFORM MCPD ASAP.
- (I) IF AVAILABLE, COPIES OF AMMUNITION DATA CARDS AND DEPOT SURVEILLANCE RECORDS, FOR SURVEILLANCE SAMPLES, MUST BE SHIPPED WITH THE SAMPLES.
- (J) REQUESTS FOR SAMPLES IN SUPPORT OF SPECIAL INVESTIGATIONS, MALFUNCTION INVESTIGATIONS, DEFICIENCY INVESTIGATIONS, ETC., WILL FOLLOW THE SAME GUIDELINES, AS DESCRIBED ABOVE, WITH SHORTENED LEAD TIMES.
- (K) REQUESTS FOR CLARIFICATION OR COMMENT SHOULD BE ADDRESSED TO ONE OF THE FOLLOWING:
 - (1) UNITED STATES MARINE CORPS
MARINE CORPS SYSTEMS COMMAND
ATTN: PM-AM/QAM
2033 BARNETT AVE., SUITE 315
QUANTICO VA 22134-5010
MSG ADDRESS: COMMARCORSYSCOM QUANTICO VA/
PM-AM/QAM/
COMMERCIAL: (703) 784-9492
DSN: 278-9492
 - (2) DIRECTOR
MARINE CORPS PROGRAMS DEPARTMENT (40923)
NAVSURFWARCEMDIV CRANE
DET FALLBROOK
700 AMMUNITION RD
FALLBROOK, CA 92028-3187
MSG ADDRESS: MARINE CORPS PROGRAMS
FALLBROOK CA/40923/

Appendix A Section 3
AMMUNITION INFORMATION NOTICES

NAVSEA TW024-AA-ORD-01
12-OCT-04 08:27:32
CPMAL021R

COMMERCIAL: (760) 731-3774/3449
DSN: 873-3774/3449
EMAIL: samplemgr@mcpd.navy.mil

AMMO INFO NOTICE 040-2001: SUBJ: SLAM ER MISSILE UPLOAD PINS POTENTIAL FOREIGN OBJECT DAMAGE (FOD) HAZARD (1410-WF30,WF31,WF32,WF34,WF35,WF36)
THERE IS A POTENTIAL FOD HAZARD WITH THE UPLOAD PINS ON THE SUBJECT SLAM ER MISSILES.
WHEN LOADING THE SLAM ER MISSILE ONBOARD THE AIRCRAFT AND THE UPLOAD PINS ARE EXTRACTED THE BALL AND SPRING MAY EJECT FROM THE PIN.
AN AWB OR AWC WILL FOLLOW SEPCOR.
REPLACEMENT PINS WILL BE FORWARDED TO ACTIVITIES CURRENTLY HOLDING THESE ASSETS.

AMMO INFO NOTICE 043-2001: SUBJ: INCORRECT STENCILING OF NSN ON 1997 FEDERAL CARTRIDGE COMPANY LOTS (1305-A023)
THIS AIN SUPERSEDES NALC AIN 042-01 (DTG 181935Z APR 01).
THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.
LOTS FC-97B001-001 THROUGH FC-97B001-008, MANUFACTURED BY FEDERAL CARTRIDGE COMPANY IN 1997, WERE INCORRECTLY LABELED AS NSN 1305-01-282-1256 PER CONTRACT N00164-97C-0022. THESE LOTS ARE ACTUALLY PACKED TO NSN 1305-01-386-5604 CONFIGURATION:
5 RDS PER CARDBOARD CARTON,
24 CARTONS PER M2A1 METAL BOX,
2 METAL BOXES PER WIREBOUND BOX,
TOTAL QTY 240 PER WIREBOUND WOODEN BOX.
THE AMMUNITION DATA CARDS AVAILABLE FOR THESE LOTS CURRENTLY INDICATES NSN 1305-01-282-1256. ADC WILL BE RE-ISSUED WITH CORRECT (1305-01-386-5604) NSN.
STORAGE ACTIVITIES SHOULD RE-STENCIL WIREBOUND BOXES CONTAINING SUBJ LOTS OF A023 ROUNDS WITH NSN 1305-01-386-5604 AND ENSURE PROPER ENTRY INTO INVENTORY TRACKING SYSTEMS.

AMMO INFO NOTICE 044-2001: SUBJ: DRAGON MISSILE IDENTIFICATION PLATE (1427-PL23,PM80)
A COPY OF THIS AIN SHALL BE PROVIDED TO ALL PERSONNEL/UNITS UPON ISSUANCE OF DRAGON MISSILES.
DRAGON MISSILES HAVE BEEN RETURNED TO THE ASP WITH THE IDENTIFICATION PLATE REMOVED FROM THE LAUNCH TUBE. DRAGON MISSILES ARE SECURITY RISK CATEGORY 1 ASSETS AND RELY ON THE INFORMATION CONTAINED ON THE IDENTIFICATION PLATE FOR TRACKING PURPOSES, AND TO DETERMINE THE APPLICABILITY OF NARs AND AINs TO THE PARTICULAR MISSILE. IT IS CRUCIAL THAT THE IDENTIFICATION PLATES NOT BE REMOVED ON MISFIRED AND UNFIRED MISSILES.

AMMO INFO NOTICE 045-2001: SUBJ: TOW MISSILE FIRING (1410-PB93,WF10,PB96,PB97,PB99,PD62,PE96,PU68,PV18,PV47, PV82)
THIS AIN SUPERSEDES NOC IMSD AIN 020-99 (DTG 101935Z MAR 99).
REQUEST DISSEMINATE THIS INFORMATION TO ALL ORGANIZATIONS AND PERSONNEL FIRING TOW MISSILES.
DURING COLD WEATHER TESTING, BY THE MARINE CORPS AND ARMY, A RANGE LIMITATION OF THE TOW MISSILE WAS IDENTIFIED. THE MAXIMUM RANGE WHEN FIRING TOW MISSILES IN TEMPERATURES BELOW PLUS 10 DEGREES F IS 3400 METERS. FOR EXTENDED BASIC RANGE TOW (DODICs PB97, PB99, and PU68), MAXIMUM RANGE REMAINS 3200 METERS. FOR BASIC STANDARD RANGE TOW (DODIC PB96), MAXIMUM RANGE REMAINS 3000 METERS.
TOW MISSILE NIGHT SIGHT USE (AN/TAS-4A/4C). THE NIGHT SIGHT MUST ALWAYS BE FOCUSED WHEN FIRING THE TOW MISSILE. THE NIGHT SIGHT IS AUTOMATICALLY USED FOR MISSILE TRACKING AND GUIDANCE WHEN THE MISSILE GUIDANCE SET (MGS) DETERMINES THAT TRACKING CAN BE BETTER ACCOMPLISHED USING THE NIGHT SIGHT INSTEAD OF THE DAY SIGHT. CONDITIONS SUCH AS THE PRESENCE OF SMOKE, JAMMERS,

MIRAGES, OPTICAL SIGHT FAILURE, ETC., WOULD CAUSE THE MGS TO USE THE NIGHT SIGHT TRACKER. IN ADDITION, THE TOW2B MISSILE ALWAYS USES THE NIGHT SIGHT DURING THE FIRST FEW SECONDS OF FLIGHT. THE GUNNER HAS NO CONTROL OVER WHICH SIGHT THE MGS SELECTS, HENCE IT IS CRITICAL THAT THE NIGHT SIGHT ALWAYS BE TURNED ON, AFOCAL COVER REMOVED, COLLIMATED, AND FOCUSED BEFORE ANY TOW MISSILE FIRING. UNLESS THE NIGHT SIGHT IS PROPERLY FOCUSED, THE LAUNCHER SYSTEM IS UNABLE TO TRACK MISSILE WELL, AND MISSILE GUIDANCE MAY BE LOST.

- (A) ADJUST THE NIGHT SIGHT DIOPTRIC ADJUSTMENT RING TO GET A CLEAR FOCUSED CROSS HAIR.
- (B) SET FIELD OF VIEW TO NFOV.
- (C) SELECT A NIGHT SIGHT TARGET BETWEEN 300 AND 1000 METERS.
- (D) ADJUST THE RANGE FOCUS KNOB TO A SHARP FOCUS (ADJUST CTRS AND BRT CONTROLS AS NECESSARY.)
- (E) THE NIGHT SIGHT IS NOW SHARPLY FOCUSED FOR A CLEAR PICTURE AND GOOD MISSILE TRACKING AT RANGES OF 300 METERS OR GREATER.
- (F) REFOCUS WILL BE REQUIRED FOR TARGETS CLOSER THAN 300 METERS.

AMMO INFO NOTICE 046-2001:

SUBJ: TOW MISSILE AFT SEAL INSPECTION (1410-PB93,PB96,PB97,PB99, WF10,PU68,PD62, PE96,PV18,PV47,PV82)

REF CDRAMCOM REDSTONE ARSENAL AL 181630Z DEC 98.

THIS AIN SUPERSEDES NOC AIN 034-99 (DTG 011935Z JUN 99).

THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.

REQUEST THAT THIS AIN BE DISTRIBUTED TO ALL ORGANIZATIONS AND PERSONNEL INSPECTING TOW MISSILES.

THE FOLLOWING PROCEDURE PROVIDES GUIDELINES FOR DETERMINING THE CRITICALITY OF PRESSURE INSIDE THE MISSILE CASE IF THE AFT SEAL APPEARS TO BE BULGING. THE PUBLICATION OF THIS PROCEDURE IS NOT DIRECTION TO INSPECT ALL MISSILES AT STORAGE FACILITIES, BUT PROVIDES SERVICEABILITY CRITERIA FOR ANY MISSILE FOUND TO HAVE INTERNAL PRESSURE DURING ROUTINE INSPECTIONS.

PRESSURE INSIDE THE TOW MISSILE CASE CAN CAUSE THE AFT SEAL TO BULGE. EXCESSIVELY BULGED AFT SEALS ARE CRITICAL DEFECTS. USE THE FOLLOWING PROCEDURE TO ASSESS WHETHER THE AFT SEALS ARE BULGED EXCESSIVELY.

- (A) IF VISUAL INSPECTION REVEALS THE AFT SEAL OF THE TOW MISSILE CASE IS BULGING DUE TO INTERNAL PRESSURE, PLACE THE MISSILE CASE HORIZONTALLY ON A FLAT SURFACE.
- (B) TAKE A 12 INCH LONG PIECE OF UNBENT BANDING AND PLACE IT IN OPPOSITE SLITS ACROSS THE AFT NOZZLE HANDLING RING. MEASURE THE DISTANCE BETWEEN THE EDGE OF THE BANDING CLOSEST TO THE SEAL, AND THE SEAL ITSELF, TO THE NEAREST 1/16TH OF AN INCH.
- (C) IF THE DISTANCE FROM THE EDGE OF THE BANDING TO THE SEAL IS GREATER THAN 11/16 OF AN INCH, THE BULGE IS NOT CRITICAL. REPACKAGE THE MISSILE AND RETURN IT TO STOCK IN THE ORIGINAL CONDITION CODE.
- (D) IF THE DISTANCE FROM THE EDGE OF THE BANDING TO THE SEAL IS LESS THAN 11/16 OF AN INCH, THE SEAL IS BULGING AT A CRITICAL LEVEL. PLACE THE MISSILE IN CONDITION CODE "F"

AND INITIATE A DEFECT/DEFICIENCY REPORT IN
ACCORDANCE WITH MCO 8025.1D.

- (E) PRIOR TO SHIPPING OR STORING A TOW MISSILE WITH A CRITICALLY BULGED AFT SEAL, LOOSEN THE THREE SCREWS OF THE HOLD-BACK PIN 3 TO 5 TURNS USING A #8 TORQUE SET OR PHILLIPS BIT. CAUTION: DO NOT REMOVE THE SCREWS. LISTEN FOR PRESSURE RELEASE. IF THE PRESSURE IS NOT RELEASED BY LOOSENING THE SCREWS, USE AN EXACTO KNIFE, OR EQUIVALENT, TO MAKE A SMALL INCISION IN THE HOLD BACK PIN COVER MATERIAL UNTIL PRESSURE IS RELEASED. RETIGHTEN THE 3 HOLD-BACK PIN SCREWS.

AMMO INFO NOTICE 051-2001:

SUBJ: USE OF SIMULATOR, PROJECTILE GROUND BURST,M115A2 (1370-L594)

THIS AIN SUPERSEDES IMDS AIN 004-95 (231934Z NOV 94).

REF CDRMAC ROCK ISL IL 071454Z MAY 01.

NUMEROUS REPORTS HAVE RECENTLY BEEN RECEIVED FROM THE FIELD OF MALFUNCTIONS INVOLVING SUBJECT ITEM. COMMON PROBLEMS EXPERIENCED INCLUDE DUDS; FAILURE OF ITEMS TO WHISTLE; ITEMS WHICH FUNCTION BY BLOWING OUT BOTH ENDS OF THE SIMULATOR TUBE RATHER THAN RUPTURING IN THE MIDDLE; AND ITEMS WHERE A PORTION OF THE SIMULATOR LAUNCHES LIKE A PROJECTILE WHEN THE ITEM FUNCTIONS, POSING A DANGER TO NEARBY PERSONNEL.

IT IS IMPERATIVE THAT USERS NOTE AND FOLLOW THE GUIDELINES AND PRECAUTIONS CONTAINED IN TM 9-1370-207-10 AND ON EACH SIMULATOR LABEL. IN PARTICULAR, WHEN A SIMULATOR IS INITIATED, IT MUST BE IMMEDIATELY THROWN IN A DIRECTION AWAY FROM UNPROTECTED PERSONNEL, AND TO A DISTANCE OF AT LEAST THIRTY-FIVE METERS FROM THOSE PERSONNEL. IF THIS IS NOT DONE, HEARING DAMAGE AND POSSIBLE FRAGMENTATION INJURY COULD RESULT. DO NOT HOLD ON TO THE ITEM WAITING FOR IT TO WHISTLE. WARNING . . . THIS DEVICE MUST NOT, REPEAT, MUST NOT BE ACTIVATED IN LOOSE GRAVEL, STICKS, OR OTHER MATERIALS THAT ARE SUBJECT TO PROJECTION, NOR SHOULD IT BE THROWN INTO DRY LEAVES, GRASS OR OTHER FLAMMABLES.

WHEN TRAINING WITH THE M115A2 SIMULATOR, THE FOLLOWING SAFE USE PROCEDURES WILL BE FOLLOWED:

- (A) RESTRICT USE AND HANDLING OF SUBJ SIMULATOR TO DESIGNATED, AUTHORIZED PERSONNEL. THESE PERSONNEL SHALL BE LIMITED TO EXPERIENCED, THOROUGHLY TRAINED COMBAT TRAINERS/CONTROLLERS WHO HAVE BEEN BRIEFED ON THE UNIQUE POTENTIAL HAZARDS OF THE SUBJECT SIMULATOR (TO INCLUDE THE 35 METER FRAGMENT HAZARD).
- (B) USE SIMULATORS ONLY TO SIMULATE NOISE OF INCOMING ARTILLERY PROJECTILES. THEY WILL NOT BE USED TO SIMULATE HAND GRENADES.
- (C) SUBJ SIMULATOR SHALL BE DETONATED AT LEAST 35 METERS FROM UNPROTECTED PERSONNEL. A LESSER SAFE SEPARATION DISTANCE IS ACCEPTABLE FOR PROTECTED PERSONNEL. PROTECTED PERSONNEL ARE THOSE PROTECTED BY SUITABLE COVER, SUCH AS WITHIN ARMORED VEHICLES, IN BUILDINGS, IN DUG-IN EMBLEMMENTS, ETC. IN ADDITION, PERSONNEL WOULD NORMALLY BE CONSIDERED PROTECTED WHERE THE SIMULATOR IS SEPARATED FROM PERSONNEL BY MASKING TERRAIN OR IS DETONATED WITHIN A DESIGNATED, BARRICADED PIT OR AREA.
- (D) PERSONNEL DESIGNATED AND AUTHORIZED TO USE SIMULATORS SHOULD FOLLOW PRECAUTIONS TO WARNINGS ON PAGE 19 OF TM 9-1370-207-10.
AS INDICATED THERE, WHEN USING THE SIMULATOR, THE

THROWER SHOULD WEAR A STANDARD ISSUE LEATHER GLOVE ON THE THROWING HAND, IN ADDITION TO WEARING SAFETY EYEWEAR (E.G. GARGOYLE EYEWEAR OR SAFETY GLASSES). SEEK SUITABLE COVER, MOVE TO A SAFE DISTANCE (35 METERS) OR TURN AWAY FROM THE SIMULATOR AND GET INTO A PROTECTIVE POSTURE AFTER THROWING.

- (E) EXPOSED OR TARGET PERSONNEL WHO ARE NOT UNDER COVER SHALL BE INSTRUCTED TO FOLLOW CURRENT DOCTRINE FOR IMMEDIATE ACTION NORMALLY TAKEN WHEN EXPOSED TO ARTILLERY FIRE IN COMBAT (E.G., MOVE AWAY FROM IMPACT AREA OR SEEK SUITABLE COVER, AS DIRECTED BY TACTICAL LEADER OR COMMANDER).

WHILE USE OF PROPER PRECAUTIONS WILL MITIGATE SAFETY HAZARDS, USERS SHOULD ALSO ASSURE THAT ITEM FUNCTIONING PROBLEMS ARE PROMPTLY REPORTED IAW MCO 8025.1 OR OPNAVINST 5102.1

AMMO INFO NOTICE 052-2001:

SUBJ: MINE, ANTI- TANK,HEAVY,HE,METALLIC,M15, INVALID SB 742-1 TEST PER PARAGRAPH D-16.B(1) (1345-K180).

THIS AIN IS TO BE ISSUED TO ACTIVITIES THAT TEST AND EVALUATE DODIC K180, MINE, ANTI-TANK HEAVY M15.

DO NOT PERFORM THE RESISTANCE TEST OF THE MINE PRESSURE PLATE IDENTIFIED IN APPENDIX D-16.B(1) OF SB 742-1 ON MARINE CORPS (0T COG) OR NAVY (2T COG) ITEMS.

AS A RESULT OF THE FIELD SERVICEABILITY TEST, SERVICEABLE MINES HAD BEEN PLACED IN CONDITION CODE F. BASED ON LABORATORY TEST DATA, THERE IS NO EVIDENCE THAT THE PERFORMANCE OF THE BELLEVILLE SPRING WILL DETERIORATE. THE FIELD SERVICEABILITY TEST IN APPENDIX D-16.B (1) OF SB 742-1 IS INVALID.

AMMO INFO NOTICE 054-2001:

SUBJ: CLEANING OF AMMUNITION CONTAINERS AND PALLETS PRIOR TO SHIPMENT

THIS AIN SUPERSEDES NOC AIN 046-00 (DTG 312221Z JUL 00).

THIS AIN APPLIES TO NAVY STOCK ONLY.

REF CDRUSAMAC NICP ROCK ISLAND IL 161810Z JUL 01.

INSTALLATIONS PERFORMING SHIPPING OPERATIONS ARE REMINDED THAT FOREIGN MATERIAL (SUCH AS DIRT, VEGETATION, OR EXCREMENT) MUST BE REMOVED FROM SHIPPING CONTAINERS/PALLETS PRIOR TO SHIPMENT. TWO SHIPMENTS WERE FRUSTRATED AT DOVER AFB DUE TO CONTAMINATION OF CONTAINERS/PALLETS BY RODENT AND/OR BIRD EXCREMENT AND NESTING MATERIALS.

HANTAVIRUS PULMONARY SYNDROME (HPS) IS A SERIOUS, OFTEN DEADLY, RESPIRATORY DISEASE THAT IS CAUSED BY A VIRUS THAT IS SPREAD FROM WILD RODENTS TO HUMANS. HPS IS OFTEN REFERRED TO AS 'HANTAVIRUS'. RODENT FECES AND URINE CAN CONTAIN THE HANTAVIRUS WHICH COULD INFECT PERSONNEL HANDLING/ SHIPPING CONTAMINATED CONTAINERS/PALLETS. AS OF 16 APR 2001 A TOTAL OF 283 CASES OF HPS HAVE BEEN REPORTED; 38% HAVE BEEN FATAL. FOLLOWING ARE GENERAL SAFETY PRECAUTIONS TO BE USED WHEN CLEANING CONTAINERS/PALLETS CONTAMINATED WITH RODENT EXCREMENT:

- (A) CLEAN ITEMS (PALLETS/CONTAINERS) OUTSIDE IF POSSIBLE.
- (B) PUT ON LATEX RUBBER GLOVES PRIOR TO CLEANING UP.
- (C) DO NOT SWEEP OR VACUUM UP DROPPINGS, URINE OR NESTING MATERIALS.
- (D) THOROUGHLY WET CONTAMINATED AREAS WITH A COMMERCIAL LIQUID DISINFECTANT TO DEACTIVATE VIRUS. A HYPOCHLORITE SOLUTION PREPARED BY

MIXING 1.5 CUPS OF HOUSEHOLD BLEACH IN 1 GALLON

OF WATER MAY BE USED IN PLACE OF COMMERCIAL
DISINFECTANT.

- (E) ONCE WETTED, REMOVE CONTAMINATION WITH A DAMP TOWEL, THEN MOP OR SPONGE AREA WITH DISINFECTANT.
- (F) DOUBLE BAG ALL CONTAMINATED ITEMS AND CLEANING MATERIALS AND BURY, BURN OR DISPOSE OF MATERIAL IN APPROPRIATE WASTE DISPOSAL SYSTEM.
- (G) PRIOR TO TAKING THEM OFF, DISINFECT GLOVES WITH DISINFECTANT OR SOAP AND WATER. AFTER REMOVING CLEANED GLOVES, THOROUGHLY WASH HANDS WITH SOAP AND WARM WATER.

CONTACT SERVICING HEALTH SERVICES OFFICER OR SAFETY OFFICER FOR FURTHER INFORMATION. HANTAVIRUS INFORMATION IS ALSO AVAILABLE FROM THE CENTER FOR DISEASE CONTROL AT: [HTTP://WWW.CDC.GOV/NCIDOD/DISEASES/HANTA/HPS/NOFRAMES/CONSUMER.HTM](http://WWW.CDC.GOV/NCIDOD/DISEASES/HANTA/HPS/NOFRAMES/CONSUMER.HTM).

AMMO INFO NOTICE 055-2001:

SUBJ: EPOXY PAINT RESIDUE, CARTRIDGE, 120MM TPCSDS-T, M865, AND CARTRIDGE, 120MM TP-T, M831A1 (1315-C785,C784)

REF CDRUSAMAC NICP ROCK ISLAND IL 281440Z JUN 01.

REQUEST THIS AIN BE PASSED TO ALL ORGANIZATIONS AND PERSONNEL INVOLVED IN THE FIRING OF THE SUBJECT 120MM TANK CARTRIDGES.

NUMEROUS REPORTS HAVE BEEN RECEIVED CONCERNING GRAY EPOXY PAINT RESIDUE REMAINING IN THE CHAMBER AFTER FIRING. THIS RESIDUE IS VERY THIN AND SOMETIMES EVEN TRANSLUCENT. IT MAY BE IN PIECES AS LARGE AS 3 IN X 5 IN, AND IS PREDOMINANTLY TOWARD THE REAR OF THE CHAMBER NEAR THE BREECH. AT TIMES THIS GRAY EPOXY PAINT RESIDUE WILL FLY INTO THE TURRET WHEN THE BREECH OPENS.

THE EPOXY COATING USED ON THE M865 (C785) AND M831A1 (C784) LEAVES MORE RESIDUE THAN THE PREVIOUS COATING. THE EPOXY COATING

PROVIDES BETTER PROTECTION AGAINST SCRATCHES OR DAMAGE TO THE COMBUSTIBLE CARTRIDGE CASE (CCC) DURING HANDLING.

THE RESIDUE WILL ONLY BURN IF DIRECTLY EXPOSED TO A FLAME. THE EXPENDED CASE BASE IS NOT HOT ENOUGH TO IGNITE THE RESIDUE. THIS MEANS THE RESIDUE WILL NOT BE BURNING IN THE CHAMBER WHEN THE BREECH OPENS. THE PIECES OF RESIDUE THAT FLY BACK INTO THE CREW COMPARTMENT DO NOT POSE A SAFETY CONCERN.

THIS EPOXY PAINT RESIDUE DOES NOT CAUSE CHAMBERING PROBLEMS. THE RESIDUE DOES NOT BUILD UP. AS SUCCESSIVE ROUNDS ARE FIRED EPOXY PAINT RESIDUE FROM THE PREVIOUS CARTRIDGES EITHER FLYS INTO THE TURRET, OR IS BLOWN OUT OF THE TUBE AND FRESH RESIDUE IS DEPOSITED.

THE AMOUNT OF EPOXY PAINT RESIDUE VARIES FROM ROUND TO ROUND AND IS MORE LIKELY TO OCCUR AND MAY BE HEAVIER AT WARMER TEMPERATURES.

AMMO INFO NOTICE 056-2001:

SUBJ: DISPOSAL OF WP RP HC CS CN AND COLORED SMOKES AND DYES

REF CDRMAC ROCK ISLAND IL 312033Z MAY 01.

THIS AIN SUPERSEDES NOC AIN 049-00 (DTG 031945Z AUG 00).

THIS AIN APPLIES TO NAVY STOCK ONLY.

THERE IS A MORATORIUM ON OPEN AIR DEMIL (BURNING OR DETONATION OF HEXACHLOROETHANE (HC), COLORED SMOKES, WHITE PHOSPHOROUS (WP), RED PHOSPHOROUS (RP), AND RIOT CONTROL MUNITIONS; E.G., CHLORACETOPHENONE (CN), AND O-CHLOROBENZYL MALONONITRIL (CS).

CURRENTLY, THE ONLY ACCEPTABLE CAPABILITY FOR THE PROPER DISPOSAL OF WP AND RP IS AT CRANE AAP, IN. ITEMS WITH FILLERS WP, RP, HC, CS, CN, AND COLORED SMOKES ARE TO BE SUBMITTED FOR DISPOSITION IAW NAVSUP P-724, CONVENTIONAL AMMUNITION ORDNANCE

STOCKPILE MANAGEMENT.

PROJECTILES FILLED WITH HIGH EXPLOSIVES THAT INCLUDE MARKING DYES IN THEIR ASSEMBLY CANNOT BE DETONATED UNLESS THE DYES ARE FIRST REMOVED. SPECIFIC EXAMPLES ARE THE 5, 6, AND 8 INCH NAVY GUN ARMOR-PIERCING AND COMMON PROJECTILES.

ANTI-PERSONNEL (APERS) PROJECTILES WITH A FLECHETTE PAYLOAD WILL BE DEMILITARIZED BY RECOVERY/DISASSEMBLY, AND THE DYES WILL BE ACCUMULATED.

SUBSEQUENTLY, ALL RECOVERED DYES REFERENCED IN PARAGRAPHS 5 AND 6 WILL BE TRANSFERRED TO DRMO FOR DISPOSAL OR STORED FOR FUTURE DISPOSITION.

EXCEPTION TO THE ABOVE OPEN AIR DEMIL MORATORIUM IS AUTHORIZED FOR THE DISPOSAL OF DANGEROUSLY DETERIORATED AND/OR HAZARDOUS MUNITIONS AND RANGE CLEARANCE OF MISFIRES. THIS WILL BE PERFORMED LOCALLY IAW EMERGENCY DISPOSAL PROCEDURES BY AUTHORIZED PERSONNEL.

PER THE EPA MUNITIONS RULE AND DOD MUNITIONS RULE IMPLEMENTATION POLICY, THIS ON RANGE DESTRUCTION IS RCRA EXEMPT AND IS CONSIDERED AN EXTENSION OF INTENDED USE.

REQUEST THIS INFO BE GIVEN WIDEST DISSEMINATION BY YOUR COMMAND/INSTALLATION.

AMMO INFO NOTICE 058-2001:

SUBJ: DEVICE, RECALL, AUDIBLE, MK 137 MOD 0 (1370-3W92)

A COPY OF THIS AIN SHALL BE ISSUED WITH EACH DODIC 3W92 (DEVICE, RECALL, AUDIBLE, MK 137 MOD 0). THE FOLLOWING INFORMATION IS BEING DISSEMINATED DUE TO CONFUSION REGARDING THE INTENDED USE OF THE MK 137 MOD 0.

WARNING: DO NO SWIM OR DIVE WITH THIS SIGNAL.

THE MK 137 MOD 0 RECALL SIGNAL IS INTENDED TO BE USED TO SIGNAL DIVERS PER PREARRANGED INSTRUCTIONS. THE SIGNAL IS INITIATED IN AIR, IMMEDIATELY THROWN INTO THE WATER AND THEN FUNCTIONS. THE SIGNAL PRODUCES AN AUDIBLE REPORT (EXPLOSION) THAT IS DETECTED BY DIVERS UNDERWATER; ONE OR MORE REPORTS ALERT THE DIVER FOR ACTION.

WARNING: THIS SIGNAL IS FOR UNDERWATER FUNCTIONING ONLY. DO NOT FIRE SIGNAL IN THE AIR; FRAGMENTATION FROM AN AIRBURST CAN CAUSE EYE AND/OR OTHER SERIOUS PUNCTURE WOUNDS.

THE MK 137 MOD 0 IS NOT DESIGNED TO BE TRANSPORTED UNDERWATER. THE MK 137 MOD 0 SHOULD NOT BE IMMERSSED IN WATER UNTIL INITIATED. IF THE MK 137 MOD 0 BECOMES WET, DO NOT USE, DISPOSE OF IN ACCORDANCE WITH PROPER PROCEDURES.

THE FOLLOWING SAFETY PRECAUTIONS FROM SW050-AB-MMA-010 ARE REITERATED:

(A) WHEN INITIATING THE RECALL SIGNAL, THROW IMMEDIATELY.

DO NOT RELY ON THE FULL 6.6 SECOND DELAY.

(B) IF THE RECALL SIGNAL ACCIDENTALLY DROPS INTO THE BOAT AFTER INITIATION, DO NOT PICK IT UP. EVACUATE AND TAKE COVER.

A CHANGE TO SW050-AB-MMA-10 IS BEING PREPARED TO IMPLEMENT THESE CLARIFICATIONS.

AMMO INFO NOTICE 059-2001:

SUBJ: C-4 BLOCKS WITH OR WITHOUT CHEMICAL TAGS (1375-M023,M757)

THIS AIN SUPERSEDES NALC AIN 020-00 (151935Z MAR 00).

THIS AIN APPLIES TO NAVY STOCK ONLY.

COMP C-4 BLOCKS CONTAINING CHEMICAL TAGS ARE NOW BEING FIELDDED.

FOLLOWING ARE NSNS FOR STOCKS CONTAINING A CHEMICAL TAG:

1375-01-389-3854 M023

1375-01-398-0060 M757

ALL CURRENT STOCKS OF C-4 BLOCKS ON HAND WITHOUT A CHEMICAL TAG (NSNS 1375-00-724-7040/M023 AND 1375-00-926-3985/M757) WILL

AMMO INFO NOTICE 063-2001:

BE ASSIGNED PRIORITY OF ISSUE IN ACCORDANCE WITH NAR 0875-01 (FOR M023) AND NAR 0876-01 (FOR M757) EXCEPT AS FOLLOWS:
ALL STOCKS OF M023 NSN 1375-00-724-7040 MANUFACTURED PRIOR TO 1978 WILL BE PLACED INTO C/C HOTEL IAW NAR 0568-00.
ALL STOCKS OF M757 NSN 1375-00-926-3985 MANUFACTURED PRIOR TO 1976 WILL BE PLACED INTO C/C BRAVO IAW NAR 0683-99.

REGARDLESS OF THE SERVICEABLE CONDITION CODE, ALL STOCKS OF COMP C-4 WITHOUT A CHEMICAL TAG MUST BE EXPENDED IN ACCORDANCE WITH PUBLIC LAW 104-132.

SUBJ: INSPECTION CRITERIA AND PRE-FIRE PROCEDURES FOR 60MM AND 81MM MORTAR AMMUNITION (1310-B642,B643,B646,B647) AND (1315-C256, C276,C868, C869,C870,C871,C875)

THIS AIN SUPERSEDES IMSD AIN 006-95 (DTG 301935Z NOV 94).

REQUEST DISSEMINATION OF THIS AIN TO ALL UNITS FIRING MORTARS, RANGE SAFETY OFFICERS, EOD, AND AMMUNITION SUPPLY POINT (ASP).

THE FOLLOWING INSPECTION CRITERIA AND PRE-FIRE PROCEDURES PERTAIN TO 60MM AND 81MM MORTARS ASSEMBLED WITH THE RIGID HORSESHOE SHAPED PROPELLANT INCREMENTS.

(A) DAMAGED MORTAR PROPELLANT INCREMENTS/CONTAINERS:

- (1) UPON REMOVAL FROM PACKAGING, PRIOR TO FIRING, USER WILL INSPECT ALL HORSESHOE SHAPED PROPELLANT INCREMENTS FOR DAMAGE. CARTRIDGES FOUND WITH PUNCTURED PROPELLANT INCREMENTS MAY LEAK PROPELLANT CONTENTS RESULTING IN CRITICALLY SHORT ROUNDS AND SHOULD NOT BE FIRED.
- (2) LEAKING PROPELLANT INCREMENTS WILL BE REMOVED AND DISPOSED OF IAW LOCAL PROCEDURES. DURING TRAINING, IF THE MISSION ALLOWS, CARTRIDGES MAY BE FIRED AT A LOWER CHARGE. CARTRIDGES NOT EXPENDED WILL BE REPACKAGED, ENSURING THAT NO LOOSE PROPELLANT IS ON THE CARTRIDGE OR IN THE PACKAGING, AND RETURNED TO THE ISSUING AMMUNITION SUPPLY POINT WITH DOCUMENTATION DESCRIBING MATERIAL CONDITION, TO INCLUDE MISSING INCREMENTS, IF REQUIRED.
- (3) ALL CARTRIDGES FOUND WITH LEAKING PROPELLANT INCREMENTS WILL BE REPORTED IAW MCO 8025.1C OR OPNAVINST 5102.1C.

(B) DISCOLORED MORTAR PROPELLANT INCREMENTS/CONTAINERS:

- (1) COLOR CHANGE INITIALLY IS FROM NORMAL LIGHT YELLOW TO DARK YELLOW TO LIGHT GREEN PROGRESSING TO DARKER SHADES OF GREEN. COLOR CHANGE USUALLY IS EVIDENCED BY SPLOTCHES OF COLOR CHANGE RATHER THAN A UNIFORM TRANSITION OF ENTIRE SURFACE.
- (2) ENGINEERS HAVE DETERMINED THAT DISCOLORATION OF PROPELLANT CONTAINERS HAS NO SHORT TERM EFFECT ON BALLISTIC PERFORMANCE. CARTRIDGES ARE TO BE CONSIDERED SERVICEABLE UNLESS OTHER VISUAL CONDITIONS SUCH AS FIN CORROSION PROVIDE INDICATIONS THAT DETERIORATION HAS RESULTED FROM EXPOSURE. MAJOR CORROSION ON FUZE OR FIN IS A RESULT OF MOISTURE CONTAMINATION WITHIN SENSITIVE COMPONENTS, WHICH COULD RESULT IN MALFUNCTIONS SUCH AS

- DUDS AND MISFIRES.
- (C) PLASTIC FOAM COVERED MORTAR PROPELLANT INCREMENTS/CONTAINERS:
- (1) PERSONNEL ADJUSTING CHARGES SHOULD INSPECT INCREMENTS FOR PRESENCE OF PLASTIC FOAM. BRUSH ANY ADHERING FOAM FROM INCREMENTS SURFACES BY HAND. SOLVENTS AND OR TOOLS ARE NOT AUTHORIZED FOR THIS PROCEDURE.
 - (2) THIS MATERIAL IS KNOWN TO CAUSE BUILD-UP OF RESIDUE IN WEAPON AND RESULT IN HANGFIRES AND/OR MISFIRES.
- (D) MISSING OR DAMAGED OBTURATING BAND:
- (1) USER WILL INSPECT FOR MISSING OR DAMAGED OBTURATING BAND PRIOR TO FIRING. CARTRIDGES FOUND WITH MISSING OR DAMAGED OBTURATING BAND COULD RESULT IN CRITICALLY SHORT ROUNDS AND SHOULD NOT BE FIRED. CARTRIDGES WILL BE REPACKAGED AND RETURNED TO THE ISSUING AMMUNITION SUPPLY POINT WITH DOCUMENTATION DESCRIBING MATERIAL CONDITION, TO INCLUDE MISSING OR DAMAGED OBTURATING BAND, IF REQUIRED.
 - (2) FIRING CARTRIDGES WITH DAMAGED OBTURATING BAND COULD ALSO RESULT IN HANGFIRES AND/OR MISFIRES.
 - (3) ALL CARTRIDGES FOUND WITH MISSING OR DAMAGED OBTURATING BAND WILL BE REPORTED IAW MCO 8025.1C OR OPNAVINST 5102.1C.

AMMO INFO NOTICE 064-2001:

SUBJ: INCOMPLETE AMMUNITION LOT NUMBERS MARKED ON INDIVIDUAL UNITS (1360-SW39)

FIVE LOTS OF MK 84 MOD 1 SIGNALS, UNDERWATER SOUND (SUS), NALC SW39, DO NOT HAVE COMPLETE AMMUNITION LOT NUMBERS (ALN) MARKED ON THE INDIVIDUAL UNITS, ONLY THE MANUFACTURERS LOT NUMBER. THE COMPLETE ALN IS LABELED ON THE PALLETS AND EXTERIOR OF THE AMMUNITION CONTAINERS STORING THE UNITS.

PROGRAM OFFICE (PEOASWASM PMA-264) CONCERN EXISTS OVER THE POSSIBILITY OF PREMATURE DISPOSAL OF THESE UNITS IF THEY ARE SEPARATED FROM THE ORIGINAL AMMUNITION CONTAINERS AND THE ALN (AND SHELF LIFE DATE) CANNOT BE DETERMINED.

THE ALN CAN BE DETERMINED USING THE CONTRACT NUMBER AND THE MANUFACTURER LOT NUMBER, BOTH OF WHICH ARE LABELED ON EACH OF THESE SW39 UNITS. USE THE FOLLOWING CROSS REFERENCE TO DETERMINE

ALN:

CONTRACT NO	MFR	LOT ALN
N00164-97-C-0030	001	SPW97K097-001
N00164-97-C-0030	002	SPW98B097-002
N00164-97-C-0030	003	SPW98B097-003
N00164-99-C-0008	001	SPW99K099-001
N00164-99-C-0008	002	SPW00C099-002

THIS SITUATION CONCERNS ONLY THE FIVE LOTS SHOWN ABOVE.

QUESTIONS ON THIS SUBJECT MAY BE ADDRESSED TO GREG SCHOCH AT SCHOCHGL@IH.NAVY.MIL , DSN 953-4783, OR COMM (757) 887-4783.

AMMO INFO NOTICE 067-2001:

SUBJ: APPLICATION OF AMMUNITION SUSPENSIONS AND RESTRICTIONS TO MATERIEL FORMERLY STORED IN SOUTHWEST ASIA

THIS AIN APPLIES TO NAVY STOCK ONLY.

REF CDRUSAMAC NICP ROCK ISLAND IL 151830Z AUG 01.

MATERIEL THAT WAS ON THE GROUND IN SOUTHWEST ASIA (SWA) DURING DESERT STORM/DESERT SHIELD IS IDENTIFIED BY THE LOT

IDENTIFIER CODE "Y".

(A) THE LOT TYPE IDENTIFIER CODE IS TO BE FOUND IN THE TENTH POSITION OF THE LOT NUMBER. FOR EXAMPLE, AMMUNITION LOT LOW89C003-002 BECOMES AMMUNITION LOT NUMBER LOW89C003Y002. THE "Y" WILL REPLACE ANY PREVIOUS LOT TYPE INDICATOR. FOR EXAMPLE, LOT NUMBER LC-85D002L004 BECOMES LOT NUMBER LC-85D002Y004.

(B) FOR OLDER TYPE LOT NUMBER, THE LOT TYPE IDENTIFIER IS ADDED AT THE END OF THE NUMBER PRECEDED BY A DASH TO ALLOW FOR A LOT SUFFIX. FOR EXAMPLE, LOT LS-23-5 BECOMES LOT LS-23-5-Y; A SUFFIXED LOT: LOT NUMBER LOP-1-2A BECOMES LOT NUMBER LOP-2-2AY.

AMMUNITION SUSPENSIONS AND RESTRICTIONS ISSUED AGAINST A LOT NUMBER WITHOUT A "Y" IDENTIFIER ALSO AUTOMATICALLY APPLY TO ANY PORTION OF THE LOT WITH A "Y" IDENTIFIER. HOWEVER, SUSPENSIONS AND RESTRICTIONS ISSUED AGAINST A LOT NUMBER WITH A "Y" IDENTIFIER APPLY ONLY TO THAT PORTION OF THE LOT WITH THE "Y" IDENTIFIER, UNLESS THE SUSPENSION OR RESTRICTION PERTAINS TO PROPELLANT STABILITY.

RECIPIENTS OF THIS AIN SHOULD CHECK LOCAL LOTS WITH "Y" IDENTIFIERS TO ASSURE THAT ALL APPROPRIATE SUSPENSIONS AND RESTRICTIONS HAVE BEEN APPLIED.

AMMO INFO NOTICE 068-2001:

SUBJ: CHARGE, DEMOLITION, EXPLOSIVE SHEET CONTAINER MARKING (1375-M980,M981, M982)

THIS AIN SUPERSEDES NALC AIN 066-01 (DTG 241935Z SEP 01).

THIS AIN APPLIES TO US MARINE CORPS STOCK ONLY.

THIS INFORMATION WILL BE DISSEMINATED TO ALL STORAGE ACTIVITIES.

040059Z SEP 01 COMMARCORSYSCOM QUANTICO VA UNIT OF ISSUE CHG FOR SUBJ DODICS PROVIDED GUIDANCE REGARDING CHANGING THE UNIT OF ISSUE FOR EXPLOSIVE SHEET DEMOLITION CHARGES FROM ROLL TO FEET. THE FOLLOWING INFORMATION PRESCRIBES THE WAY OUTER CONTAINERS WILL BE MARKED. STORAGE ACTIVITIES WILL ENSURE THAT EACH OUTER CONTAINER IS MARKED PRIOR TO ISSUE. THIS IS EFFECTIVE 01 OCT 01, BUT NO EARLIER THAN THAT DATE.

DODIC M980: EACH FULL ROLL CONTAINS 38 FEET. THERE ARE TWO ROLLS PER BOX. DIRECTLY UNDER CURRENT MARKING ".083 THICK; NUMBER ROLLS 2", STENCIL THE FOLLOWING: "U/I: FT QTY 76".

DODIC M981: EACH FULL ROLL CONTAINS 25 FEET. THERE ARE TWO ROLLS PER BOX. DIRECTLY UNDER CURRENT MARKING ".125 THICK, NUMBER ROLLS 2", STENCIL THE FOLLOWING: "U/I: FT QTY 50".

DODIC M982: EACH FULL ROLL CONTAINS 19 FEET.

(A) FOR NSN 1375-01-036-0445 THERE IS ONE ROLL PER BOX. DIRECTLY UNDER CURRENT MARKING ".166 THICK, NO. ROLLS 1", STENCIL THE FOLLOWING: "U/I: FT QTY 19".

(B) FOR NSN 1375-01-444-1562 THERE ARE TWO ROLLS PER BOX. DIRECTLY UNDER CURRENT MARKING ".166 THICK, NUMBER ROLLS 2", STENCIL THE FOLLOWING: "U/I: FT QTY 38".

DEPOTS WILL STENCIL THE OUTER CONTAINER. THE MARKINGS SHALL BE A MINIMUM OF 1/4 INCH HIGH. INDELIBLE BLACK INK OR PAINT SHALL BE USED.

NAVAL WEAPONS STATIONS, WHEN LOADING/DOWNLOADING MPF AND LFORM SHIPS, WILL STENCIL THE OUTER CONTAINER. THE MARKINGS SHALL BE A MINIMUM OF 1/4 INCH HIGH. INDELIBLE BLACK INK OR PAINT SHALL BE USED.

ASP ARE AUTHORIZED TO MARK THE OUTER CONTAINERS BY USING AN INDELIBLE MARKER.

AMMO INFO NOTICE 001-2002:

SUBJ: DISPOSITION OF STINGER REUSABLE PARTS AFTER A TRAINING EXERCISE (1427-PL41, PL87,PL89,PL93,PL94,PL95)

THIS AIN SUPERSEDES NALC AIN 053-00 (DTG 131935Z SEP 00).

THIS AIN APPLIES TO US MARINE CORPS STOCK ONLY.

THIS AIN IS TO BE ISSUED TO ALL UNITS FIRING STINGER MISSILE SYSTEMS AND ALL AMMUNITION SUPPLY POINTS THAT ISSUE STINGER MISSILE SYSTEMS TO FIRING UNITS.

AT THE COMPLETION OF A TRAINING EXERCISE, THE FIRING UNIT WILL RETURN ALL REUSABLE PARTS TO THE AMMUNITION SUPPLY POINT (ASP). REUSABLE PARTS INCLUDE NON-EXPENDED BATTERY COOLANT UNITS (BCU'S), LAUNCH TUBE DESICCANT CARTRIDGE, FRONT (LOLLIPOP) COVERS AND UMBILICAL COVERS. THE LAUNCH TUBE DESICCANT CARTRIDGE CAN BE REMOVED BY USING A TL-29 KNIFE OR EQUIVALENT TO SPREAD APART AND REMOVE THE CARTRIDGE CLIP. ALL OF THESE PARTS ARE IDENTIFIED IN THE AMMUNITION FIELD CD-ROM.

THE NOMENCLATURE AND PART NUMBER FOR THE LAUNCH TUBE DESICCANT CARTRIDGE IS CARTRIDGE DESICCANT P/N 11487942. THE NOMENCLATURE AND PART NUMBER FOR THE FRONT (LOLLIPOP) COVER IS COVER ASSEMBLY, FWD P/N 11509896. THE NOMENCLATURE AND PART NUMBER FOR THE UMBILICAL COVER IS PROTECTIVE COVER ASSEMBLY P/N 11487948.

THE ASP WILL RECEIVE ALL NON-EXPENDED BCU'S FROM THE FIRING UNIT. THE ASP WILL MAINTAIN A RESERVE QUANTITY OF 40 BCU'S FOR FUTURE TRAINING EXERCISES. THE ASP WILL ADD THE BCU'S TO THEIR INVENTORY AS DODIC PN01 AND NSN 1440-01-113-6327 FOR P/N 13056629, NSN 1440-01-122-1084 FOR P/N 13056625, AND NSN 1440-01-332-8131 FOR P/N 13317316.

THE ASP WILL SHIP ALL BCU'S IN EXCESS OF THEIR RESERVE QUANTITY (40) AND ALL OTHER REUSABLE PARTS TO NSWC CRANE. THE USING UNITS WILL DISPOSE OF THE CONTAINERS TO DRMO. PRIOR TO USING UNITS TURNING THE EMPTY LAUNCH TUBES IN TO DRMO OR THE LANDFILL, THE CONFIDENTIAL STICKER MUST BE REMOVED. THE EMPTY LAUNCH TUBES MUST BE CRUSHED IF DISPOSED OF AT THE LANDFILL. THE FIRING UNIT WILL TURN IN ALL EXPENDED BCU'S TO THE LOCAL HAZARDOUS MATERIAL SITE FOR APPROPRIATE DISPOSAL.

AMMO INFO NOTICE 004-2002:

SUBJ: CHARGE, DEMOLITION, EXPLOSIVE SHEET CONTAINER MARKING (1375-M980,M981,M982,

M983,M984,M985,M986,M993,M994)

THIS AIN SUPERSEDES NALC AIN 003-02 (231935Z OCT 01).

THIS AIN APPLIES TO NAVY STOCK ONLY.

THIS INFORMATION WILL BE DISSEMINATED TO ALL STORAGE ACTIVITIES.

UNIT OF ISSUE HAS BEEN CHANGED FOR THE SUBJ DODICS FROM ROLL TO FEET.

THE FOLLOWING INFORMATION PRESCRIBES THE WAY THE OUTER CONTAINERS WILL BE MARKED. ASSETS SHALL BE RETAINED IN CURRENT CONDITION CODE AND STORAGE ACTIVITIES WILL ENSURE THAT EACH OUTER CONTAINER IS MARKED PRIOR TO ISSUE. THIS IS EFFECTIVE 01 OCT 01 BUT NO EARLIER THAN THAT DATE.

DODIC M980: EACH FULL ROLL CONTAINS 38 FEET. THERE ARE TWO ROLLS PER BOX. DIRECTLY UNDER CURRENT MARKING ".083 THICK NUMBER ROLLS 2", STENCIL THE FOLLOWING: "U/I: FT QTY 76".

DODIC M981: EACH FULL ROLL CONTAINS 25 FEET. THERE ARE TWO ROLL PER BOX. DIRECTLY UNDER CURRENT MARKING ".125 THICK NUMBER ROLLS 2", STENCIL THE FOLLOWING: "U/I: FT QTY 50".

DODIC M982: EACH FULL ROLL CONTAINS 19 FEET. THERE IS

ONE ROLL PER BOX. DIRECTLY UNDER CURRENT MARKING ".166 THICK NUMBER ROLLS 1", STENCIL THE FOLLOWING: "U/I: FT QTY 19".

DODIC M983: EACH FULL ROLL CONTAINS 15 FEET. THERE IS ONE ROLL PER BOX. DIRECTLY UNDER CURRENT MARKING ".208 THICK NUMBER ROLLS 1", STENCIL THE FOLLOWING: "U/I: FT QTY 15".

DODIC M984: EACH FULL ROLL CONTAINS 13 FEET. THERE IS ONE ROLL PER BOX. DIRECTLY UNDER CURRENT MARKING ".250 THICK NUMBER ROLLS 1", STENCIL THE FOLLOWING: "U/I: FT QTY 13".

DODIC M985: EACH FULL ROLL CONTAINS 11 FEET. THERE IS ONE ROLL PER BOX. DIRECTLY UNDER CURRENT MARKING ".291 THICK NUMBER ROLLS 1", STENCIL THE FOLLOWING: "U/I: FT QTY 11".

DODIC M986: EACH FULL ROLL CONTAINS 9 FEET. THERE IS ONE ROLL PER BOX. DIRECTLY UNDER CURRENT MARKING ".333 THICK NUMBER ROLLS 1", STENCIL THE FOLLOWING: "U/I: FT QTY 9".

DODIC M993: EACH FULL ROLL CONTAINS 50 FEET. THERE ARE TWO ROLLS PER BOX. DIRECTLY UNDER CURRENT MARKING ".062 THICK NUMBER ROLLS 1", STENCIL THE FOLLOWING: "U/I: FT QTY 100".

DODIC M994: EACH FULL ROLL CONTAINS 76 FEET. THERE ARE TWO ROLLS PER BOX. DIRECTLY UNDER CURRENT MARKING ".043 THICK NUMBER ROLLS 1", STENCIL THE FOLLOWING: "U/I: FT QTY 152".

DEPOTS WILL STENCIL THE OUTER CONTAINER. THE MARKING SHALL BE A MINIMUM OF ONE QUARTER INCH HIGH. INDELIBLE BLACK INK OR PAINT SHALL BE USED.

NAVAL WEAPONS STATIONS, WHEN LOADING/DOWNLOADING MPF AND LFORM SHIPS, WILL STENCIL THE OUTER CONTAINER. THE MARKINGS SHALL BE A MINIMUM OF ONE QUARTER INCH HIGH. INDELIBLE BLACK INK OR PAINT SHALL BE USED.

ASP ARE AUTHORIZED TO MARK THE OUTER CONTAINERS BY USING AN INDELIBLE MARKER.

AMMO INFO NOTICE 005-2002:

SUBJ: DETONATOR, NON-ELECTRIC, MK 123 MOD 0 HAZARD CLASS MARKING (1375-MM56)

THIS INFORMATION WILL BE DISSEMINATED TO ALL STORAGE ACTIVITIES.

NON-ELECTRIC DETONATOR, MK 123 MOD 0, NSN 1375-01-327-9205, MANUFACTURED BEFORE JULY 2001, WERE ASSIGNED AN INTERIM HAZARD CLASSIFICATION OF 1.4B DURING ORIGINAL PRODUCTION. AFTER THIS PRODUCTION, THE JHCS MADE ITS FINAL RULING THAT THE ITEMS BE ASSIGNED HAZARD CLASSIFICATION 1.4S. THIS CHANGE IS REFLECTED IN SWO20-AC-SAF-010 FIFTH REVISION DTD JANUARY 2001.

RECORDS INDICATE THE FOLLOWING LOTS WERE PRODUCED PRIOR TO JULY 2001; HOWEVER, THERE MAY BE OTHERS:

EBW93E001-001 EBW93J001-002 EBW93J001-003
EBW93J001-004 EBW94C001-005 EBW94D001-006
EBW94D001-007 EBW94F001-001 EBW94G001-011
EBW95E004-001 EBW95G005-001 EBW96C006-002
EBW96K006-001 EBW96L006-002 EBW96L006-003
EBW96M006-004 EBW96M006-005 EBW96M006-006
EBW97K007-001 EBW97L007-002 EBW97M007-003
ENB00C001-001

STORAGE ACTIVITIES WILL ENSURE THAT CORRECT HAZARD CLASSIFICATION 1.4S LABELS ARE APPLIED WHERE REQUIRED PRIOR TO ISSUING MM56, AND ALL ELECTRONIC INVENTORIES INCLUDE PROPER HAZARD CLASSIFICATION.

AMMO INFO NOTICE 008-2002:

SUBJ: REPLACEMENT NALCS FOR 2W04 AND 2W05 (1340-2W04,2W05)

THIS AIN SUPERSEDES NALC AIN 007-02 (DTG 061935Z DEC 01).

NAR 0160-02 PLACED ALL OCONUS COMBAT USEABLE STOCKS CURRENTLY IN C/C A, B, C AND N OF 2W04 IN CONDITION CODE NOVEMBER AND NAR 0161-02 PLACED ALL CONUS COMBAT USEABLE STOCKS

CURRENTLY

IN C/C A, B, C AND N OF 2W04 IN CONDITION CODE FOXTROT.
USE THE FOLLOWING NALCS AND NSNS TO ORDER REPLACEMENTS FOR
THE 2W04:

NSN 1340-01-492-5733 HA25 - HA03 ROCKET MOTOR LOADED INTO
LAU-61C/A LAUNCHER
NSN 1340-01-492-5752 HA27 - HA07 ROCKET MOTOR LOADED INTO
LAU-61C/A LAUNCHER.

NAR 0162-02 PLACED ALL OCONUS COMBAT USEABLE STOCKS
CURRENTLY IN C/C A, B, C AND N OF 2W05 IN CONDITION CODE NOVEMBER
AND NAR 0163-02 PLACED ALL CONUS COMBAT USEABLE STOCKS
CURRENTLY

IN C/C A, B, C AND N OF 2W05 IN CONDITION CODE FOXTROT
USE THE FOLLOWING NALCS AND NSNS TO ORDER REPLACEMENTS FOR
2W05:

NSN 1340-01-492-5744 HA26 - HA03 ROCKET MOTOR LOADED INTO
LAU-68D/A LAUNCHER
NSN 1340-01-492-5759 HA28 - HA07 ROCKET MOTOR LOADED INTO
LAU-68D/A LAUNCHER.

FOR CLARIFICATION: THE 2W04 IS J147 ROCKET MOTOR LOADED INTO
LAU-61C/A LAUNCHER AND 2W05 IS J147 ROCKET MOTOR LOADED INTO
LAU-68D/A LAUNCHER.

AMMO INFO NOTICE 009-2002:

SUBJ: CARTRIDGE, 40MM M583A1 WHITE STAR PARACHUTE, M585 WHITE
STAR CLUSTER, M661 GREEN STAR PARACHUTE, M662 RED STAR
PARACHUTE
(1310-B535,B536, B504,B505

REQUEST A COPY OF THIS AIN BE PROVIDED TO ALL INSTALLATIONS
WITH AN AMMUNITION STORAGE AND SURVEILLANCE MISSION, TO UNITS
WITH M203 LAUNCHERS AND TO ANY UNIT RECEIVING AN ISSUE OF THE
SUBJECT CARTRIDGES.

FIELD TESTING HAS DEMONSTRATED THAT THE USER OF THE SUBJECT
CARTRIDGES CAN EXPECT A 30-35 PERCENT JAMMED WEAPON RATE WHEN
TRYING TO EXTRACT EXPENDED CARTRIDGE CASES FROM THE LAUNCHER.
THIS SITUATION REQUIRES USE OF TOOLS OR CLEANING ROD TO CLEAR
THE STUCK CARTRIDGE CASE.

UNTIL FIX FOR THESE ROUNDS IS ACCOMPLISHED, USER IS TO BE
AWARE OF THE POSSIBILITY OF THESE CARTRIDGES STICKING, AND APPRO
PRIATE TOOLS OR CLEANING ROD BE AVAILABLE.

AMMO INFO NOTICE 010-2002:

SUBJ: CANINE EXPLOSIVE SCENT KIT SERVICE LIFE AND INSPECTION
REQUIREMENTS (1375-MN01,MY77,M585,M587)

THIS AIN SUPERSEDES NALC AIN 061-01 (DTG 061940Z SEP 01).

THIS AIN APPLIES TO US MARINE CORPS STOCK ONLY.

THIS INFORMATION IS TO BE DISSEMINATED TO ALL
PERSONNEL WHO UTILIZE OR ARE REQUIRED TO DETERMINE
SERVICEABILITY OF SUBJ KIT OR ITS INDIVIDUAL COMPONENTS.
THIS AIN WILL CLARIFY THE GUIDANCE CONTAINED IN
THE REFERENCE, AND PROVIDE MARCORSYSCOM (AM) POLICY ON THE
LIFE CYCLE MANAGEMENT OF THE CANINE EXPLOSIVE
SCENT KIT, PARTICULARLY AS IT RELATES TO KITS WITH
AGING DYNAMITE AND DAMAGED OR UNSERVICEABLE EXPLOSIVE
COMPONENTS.

THERE IS A MISCONCEPTION THE CANINE EXPLOSIVE SCENT
KIT (DODIC MN01) HAS A SERVICE LIFE OF EIGHTEEN MONTHS.
THE ONLY COMPONENT IN THE KIT WITH A SERVICE LIFE IS THE
DYNAMITE, WHICH HAS AN EIGHTEEN MONTH SERVICE LIFE. THE
EXPIRATION DATE STENCILED ON THE CANINE SCENT KIT BOX LID
REFLECTS THE EXPIRATION DATE OF THE OLDEST STICK OF
DYNAMITE IN THE KIT. MANY INSTANCES HAVE ARISEN WHERE
ENTIRE CANINE SCENT KITS HAVE BEEN DESTROYED AS A RESULT

OF THE MISTAKEN BELIEF THAT ALL OF THE COMPONENTS HAVE EXPIRED RATHER THAN SIMPLY THE AFFECTED DYNAMITE.

CONFUSION CONCERNING INSPECTION GUIDELINES FOR COMMERCIAL DYNAMITE HAS CONTRIBUTED TO SERVICEABLE DYNAMITE BEING RELEGATED TO AN UNSERVICEABLE CONDITION. THE FOLLOWING INFORMATION APPLIES TO THE COMMERCIAL DYNAMITE, 40 PERCENT NITROGLYCERIN (NG) DODIC M587 CONTAINED IN THE CANINE EXPLOSIVE SCENT KIT.

(A) NITROGLYCERIN (NG) DYNAMITE IS COMPOSED OF NITROGLYCERIN AND A NONEXPLOSIVE FILLER. THIS COMPOSITION IS ALSO WRAPPED IN A BROWN/GRAY PAPER AND SPRAYED WITH PARAFFIN WHICH CONTAINS A SMALL AMOUNT OF OIL. THE FINISHED PRODUCT IS PLIABLE (VARIOUS DEGREES OF SOFTNESS, DEPENDING ON THE TEMPERATURE) AND APPEARS TO BE OILY. EXPOSURE OF NG DYNAMITE TO HIGH TEMPERATURES CAN CAUSE THE STICK TO SWEAT OR EXUDE LIQUID DROPLETS ON THE OUTER WRAPPING. THESE BROWNISH LIQUID DROPS ARE NITROGLYCERIN, WHICH IS EXTREMELY SENSITIVE IN THIS STATE.

NG DYNAMITE TENDS TO BE SOFT/MUSHY/PLIABLE AND FEEL OILY DUE TO THE OIL USED IN THE PARAFFIN COATING. THE PAPER MAY ALSO HAVE DISCOLORATION THIS IS A NORMAL CONDITION. UNLESS THE PRESENCE OF AN EXUDATE IS NOTED, THE DYNAMITE SHOULD BE CONSIDERED SERVICEABLE AND RETAINED IN THE KITS UP TO THE EXPIRATION DATE MARKED ON THE KIT.

IAW NAVSEA OP5 VOL 1, PARA 11-7.12.8, THE DYNAMITE IN ALL CANINE EXPLOSIVE SCENT KITS MUST BE INSPECTED UPON RECEIPT, AT TIME OF ISSUE, IMMEDIATELY PRIOR TO USE, AND AT INTERVALS NOT TO EXCEED 30 DAYS WHILE IN STORAGE. THE PURPOSE OF THESE INSPECTIONS IS PRIMARILY TO SEARCH FOR THE PRESENCE OF EXUDATION, WHICH WILL APPEAR AS EITHER LIQUID DROPS OR A CRYSTAL-LIKE POWDER. DYNAMITE IN THIS STATE IS EXTREMELY SENSITIVE AND SHOULD BE DESTROYED IMMEDIATELY (DYNAMITE ONLY). ALL INDIVIDUAL STICKS OF NG DYNAMITE (DODIC M587) FOUND TO BE EXHIBITING EXUDATION OR CRYSTALLIZATION WILL BE RECLASSIFIED TO CONDITION CODE HOTEL AND DISPOSED OF IMMEDIATELY IAW LOCAL PROCEDURES.

MARINE CORPS CANINE EXPLOSIVE SCENT KITS ARE PRODUCED AT THE NAVAL SURFACE WARFARE CENTER, CRANE DIVISION (NSWCCD), AND ARE ASSEMBLED WITH THE NEWEST DYNAMITE AVAILABLE. ONCE KITS ARE ISSUED, IT IS IMPORTANT THAT THE CUSTOMER MONITOR THE EXPIRATION DATE. WITHIN 60 DAYS OF THE EXPIRATION DATE, THE USER SHALL REQUEST A REPLACEMENT KIT THROUGH INVENTORY MANAGEMENT (IM) BRANCH MARCORSYSCOM PM-AM.

UPON RECEIPT OF THE NEW KIT, REMOVE THE DYNAMITE AND ANY DAMAGED EXPLOSIVE COMPONENTS FROM THE OLD KIT AND PLACE THESE COMPONENTS IN CONDITION CODE "H" AND PICK UP THESE ITEMS ON RECORD WITH THE NSN INFORMATION CONTAINED IN THE KIT. THE MAINTAINING UNIT SHOULD THEN RECLASSIFY THE OLD KIT TO CONDITION CODE "G" AND REQUEST DISPOSITION INSTRUCTIONS FOR THE CONDITION CODE "G" KIT FROM INVENTORY MANAGEMENT (IM) BRANCH, MARCORSYSCOM (AM). ONCE THE UNIT IS IN RECEIPT OF DISPOSITION INSTRUCTIONS FOR THE CONDITION CODE "G" KIT, IT SHOULD BE PREPARED AND SHIPPED TO NSWCCD. EACH RETURN SHIPMENT SHOULD CONSIST OF ALL EIGHT M19A1 METAL CANS, INCLUDING THE EMPTY CANS FOR THE ITEMS THAT HAVE BEEN REMOVED FROM THE KIT, IN THE ORIGINAL WOODEN SHIPPING BOX.

A SEPARATE DISPOSITION REQUEST SHOULD BE SUBMITTED TO THE MARCORSYSCOM DESIGNATED DISPOSITION AUTHORITY (DDA) FOR THOSE DAMAGED ITEMS REMOVED FROM THE KIT, TO INCLUDE THE EXPIRED DYNAMITE. THESE REQUESTS SHOULD BE SUBMITTED ELECTRONICALLY TO DDA@MCSC.USMC.MIL. IN THE EVENT THAT A LOCAL EXPLOSIVE ORDNANCE DISPOSAL (EOD) REPRESENTATIVE DEEMS ANY OF THIS EXPLOSIVE MATERIAL UNSAFE TO TRANSPORT AND SUBSEQUENTLY REMOVES AND DESTROYS THAT MATERIAL (INCLUDING DYNAMITE), NO ADDITIONAL ACTION IS REQUIRED BY THE DDA.

EXPLOSIVE WATER GEL, NSN 1375-01-180-5779 MY77 HAS A ONE YEAR SERVICE LIFE WHEN NOT ASSOCIATED WITH A CANINE EXPLOSIVE SCENT KIT. WHEN WATER GEL AGES IT BECOMES LESS SENSITIVE, BUT DOES NOT LOSE THE CHARACTERISTICS NECESSARY FOR INCLUSION IN THE KIT. UNLESS OTHERWISE UNSERVICEABLE, WATER GEL THAT IS OVER ONE YEAR IN AGE AND INSTALLED IN A CANINE EXPLOSIVE SCENT KIT WILL BE RETAINED IN THE KIT.

AMMO INFO NOTICE 011-2002:

SUBJ: 120MM TANK AMMUNITION FLAREBACK REPORTING PROCEDURES (1315-C380, C784,C785,C786,C787,C791)

REF USAMAC ROCK ISLAND IL 111900Z OCT 01.

THIS AIN SUPERSEDES NALC AIN 005-00 (DTG 021935Z NOV 99).

A COPY OF THIS AIN WILL BE PROVIDED TO ALL ORGANIZATIONS AND PERSONNEL INVOLVED IN THE FIRING OF SUBJECT 120MM TANK CARTRIDGES.

IN ORDER TO PROVIDE DATA TO SUPPORT TREND ANALYSIS AND MONITORING OF FLAREBACKS, A CHECKLIST HAS BEEN GENERATED TO ENSURE ALL PERTINENT INFORMATION IS GATHERED BY PERSONNEL AT INCIDENT SITE DURING FUTURE OCCURRENCES OF FLAREBACKS. THIS AIN PROVIDES UPDATED ARMY AND USMC ADDRESSES WHERE CHECKLISTS SHOULD BE SUBMITTED, BUT DOES NOT MODIFY THE CHECKLIST.

ALL INSTANCES OF FLAREBACK, WHETHER OR NOT DETERMINED TO BE A RESULT OF WEAPON DEFICIENCY, MUST BE REPORTED IN ACCORDANCE WITH REF A.

FOLLOWING INFORMATION IS REQUIRED:

- (A) AMMUNITION TYPE.
- (B) AMMUNITION LOT NUMBER
- (C) UNIT/LOCATION INVOLVED.
- (D) GENERAL WEATHER CONDITIONS TO INCLUDE TEMPERATURE, HUMIDITY, WIND SPEED AND DIRECTION: I.E., N-S-W-E, ETC:
- (E) TANK BUMPER/SERIAL NUMBER.
- (F) GUN TUBE SERIAL NUMBER
- (G) CAM SETTING OF BREECH.
- (H) CREW REPORT OF PROBLEM CONCERNING CHAMBERING OF AMMUNITION, STUCK BASES, STUCK UNDS, UNUSUAL SOUNDS, ACTIONS OF BREECH AND LOADING TRAY.
- (I) COLOR, SIZE, INTENSITY, SOURCE OF FLARE; PRESENCE OF SMOKE; SIGHTING OF GLOWING/BURNING EMBERS, AND DURATION.
- (J) TIME ELAPSED BETWEEN FIRING OF LAST AND CHAMBERING OF FLAREBACK ROUND, AND TIME ELAPSED BETWEEN CHAMBERING AND FIRING OF FLAREBACK ROUND.
- (K) TANK SPEED AND DIRECTION: I.E., N-S-W-E, ETC.
- (L) GUN TUBE ORIENTATION: I.E., MUZZLE DIRECTION (N-S-W-E, ETC).
- (M) TURRET OPEN OR CLOSED.
- (N) BLOWER MOTORS ON OR OFF.

- (O) HALON SYSTEM ACTUATED OR NOT.
- (P) TANK CREW COMPLIANCE WITH PUBLISHED PROCEDURES FOR REMOVING STUCK BASES IF STUCK BASE IS DETERMINED.
- (Q) CONDITION OF BORE EVACUATOR: DATE/PURPOSE OF LAST MAINTENANCE: PRESENCE, CONDITION, AND COLOR OF SEALS.
- (R) NUMBER AND TYPE OF ROUNDS FIRED THIS MISSION; TOTAL NUMBER OF ROUNDS FIRED SINCE LAST BORE EVACUATOR MAINTENANCE.
- (S) GENERAL CONDITION OF REMAINING REPACKED AMMUNITION WHICH MAY INDICATE CONDITION OF ROUND WHICH EXPERIENCED FLAREBACK, PRESENCE OF MOISTURE IN STOWAGE RACK.
- (T) STOWED RACK POSITION OF ROUND WHICH EXPERIENCED FLAREBACK.
- (U) TIME AND DATE OF FLAREBACK.

FORWARD COMPLETED CHECKLISTS TO COMMANDER, OSC, ATTN: SOSMA-SNS, ROCK ISLAND, IL 61299-5500 (E-MAIL ADDRESS: SOSMA-SNS@OSC.ARMY.MIL). PROVIDE INFO COPIES TO COMMANDER, OSC, ATTN: SOSMA-PRC-T, ROCK ISLAND, IL 61299-5500 (E-MAIL ADDRESS: SOSMA-PRC-T@OSC.ARMY.MIL), MARCORSYSCOM-PMAM 2033 BARNETT AVE, STE. 315, QUANTICO, VA 22134-5010, MARINE CORPS PROGRAMS DEPARTMENT (CODE 40923) NAVSURFWARCENDIV CRANE, DETACHMENT FALLBROOK, 700 AMMUNITION ROAD, FALLBROOK, CA 92028-3187 (E-MAIL ADDRESS: MCPD@MCPD.NAVY.MIL)

CASE BASES AND OTHER RESIDUE WHICH WERE INVOLVED IN FLAREBACK SHOULD BE RETAINED FOR 30 DAYS, PENDING WORD FROM MARCORSYSCOM (PMAM) AND/OR ROCK ISLAND (SOSMA-SNS). IN ADDITION, ONE OTHER CASE BASE FROM SAME AMMUNITION LOT AND PREFERABLY FROM SAME TANK SHOULD BE RETAINED FOR COMPARISON PURPOSES.

MARINE CORPS TECHNICAL POINT OF CONTACT IS MATTHEW O'MALLEY, MCPD CODE 40912, DSN 873-3515, EMAIL OMALLEYMJ@MCPD.NAVY.MIL. SUBJ: INSPECTION OF 5 INCH 54 CALIBER PROPELLING CHARGES (1320-D296,D297,D300, D304,D305,D324,D326)

THIS AIN SUPERSEDES NALC AIN 069-01 (DTG 271940Z SEP 01). THIS AIN APPLIES TO ALL 5 INCH 54 CALIBER PROPELLING CHARGES.

RECENTLY THERE HAVE BEEN TWO UNEXPECTED IGNITION DELAYS OF 5 IN/54 CAL PROPELLING CHARGES REPORTED VIA CODR. IT HAS BEEN DETERMINED THROUGH EXTENSIVE TESTING THAT EACH EVENT HAD THE SAME CAUSAL FACTORS. THESE CAUSAL FACTORS ARE THAT THE FIRING CIRCUIT WAS LEFT IN THE FIRE POSITION AND THE PRIMER OF THE ROUND WAS CORRODED. AIN 057-01 ADDRESSES THE DURATION OF APPLIED FIRING CURRENT AND THIS ISSUE WILL BE FURTHER ADDRESSED IN REVISIONS TO SW300-BC-SAF-010.

NAVSUP P-805 IS THE SENTENCING CRITERIA FOR NAVY AND MARINE CORPS CONVENTIONAL AMMUNITION SENTENCING/RECEIPT, STORAGE AND ISSUE SENTENCING. P-806 IS THE NAVY AND MARINE CORPS CONVENTIONAL AMMUNITION SENTENCING 0T/2E/2T COG AMMUNITION SEGREGATION SENTENCING. P-807 IS THE NAVY AND MARINE CORPS CONVENTIONAL AMMUNITION SENTENCING/FLEET SENTENCING. NAVSUP P-805, P-806 AND P-807 ARE THE SENTENCING CRITERIA FOR NAVY AND MARINE CORPS CONVENTIONAL ORDNANCE AND ADDRESS INSPECTION CRITERIA OF 5 IN/54 CAL PROPELLING CHARGES. NAVSUP P-805, P-806 AND P-807 DETAIL PRACTICAL

AMMO INFO NOTICE 012-2002:

MEASURES TO ENSURE THAT READY FOR ISSUE AMMUNITION IS FREE FROM CORROSION UPON DELIVERY TO THE END USER. ALL PERSONNEL INVOLVED IN THE RECEIPT, STORAGE, ISSUE AND USE OF 5 IN/54 CAL PROPELLING CHARGES SHOULD READ AND BECOME FAMILIAR WITH THESE PUBLICATIONS.

BASED UPON QUALITY EVALUATION TESTING (SURVEILLANCE) RESULTS, CORROSION OF PROPELLING CHARGE PRIMERS DOES NOT OCCUR FREQUENTLY. QUALITY EVALUATION TESTING RESULTS SHOW THAT ONLY ONE DODIC D326 PROPELLING CHARGE IN 10,000 EXAMINED OVER A 20-YEAR PERIOD WAS FOUND TO HAVE UNACCEPTABLE LEVELS OF CORROSION. RECENT QUALITY EVALUATION TESTING RESULTS FOR DODIC D324 SHOWS THAT A MUCH HIGHER RATE OF CORROSION CAN BE EXPECTED WITH THIS DODIC; A 1 IN 70 OCCURRENCE RATE WAS OBSERVED DURING TESTING. APPROPRIATE ACTION IS BEING TAKEN TO REMOVE AFFECTED DODIC D324 STRATA FROM NAVY INVENTORY.

DUE TO TIME-LAPSES BETWEEN THE INSPECTIONS OF NAVSUP P-805, P-806 AND P-807 AND THE USE OF THE PROPELLING CHARGE, AS WELL AS INTERIM STORAGE CONDITIONS THAT MAY CONTRIBUTE TO THE GROWTH OF CORROSION, IT IS RECOMMENDED THAT A SHIPBOARD INSPECTION OF THE PRIMER BE PERFORMED IMMEDIATELY AFTER REMOVING THE TANK LID AND PRIOR TO REMOVAL OF THE CHARGE FROM THE TANK. THE PRIMER MUST BE FREE OF LUTING, VARNISH, CORROSION, AND FOREIGN MATTER. THE PRIMER ELECTRODE SHOULD BE BRASS IN COLOR WITH VARIATIONS SIMILAR TO A PENNY, RANGING FROM A SHINNY APPEARANCE TO A DULL, COPPER COLOR. CORROSION MAY BE WHITE, GREEN, BLACK AND/OR GRAY IN COLOR.

IF CORROSION IS FOUND ON THE PRIMER ELECTRODE, DO NOT USE THE PROPELLING CHARGE. DO NOT ATTEMPT TO CLEAN THE PRIMER. PLACE THE PROPELLING CHARGE IN CONDITION CODE ECHO AND USE DEFECT CODE JPRZ23. CHARGE(S) SHOULD BE TURNED OVER TO A STORAGE FACILITY AT THE SHIPS NEXT SCHEDULED OFF-LOAD. THE SHIP SHOULD FILE A CODR FOR AN OBSERVED DEFECT IN ACCORDANCE WITH OPNAV INST 5100.1C.

AMMO INFO NOTICE 014-2002:

SUBJ: ROCKET, HIGH EXPLOSIVE, 66MM, M72A5 AND M72A7 (LAW)
(1340-H557)

THE FOLLOWING INFORMATION IS BEING DISSEMINATED AS A RESULT OF REPORTED INCIDENTS INVOLVING THE DODIC H557 NSN 1340-01-472-4394, M72A7 LAW ROCKET IN WHICH THE WARHEAD FAILED TO DETONATE AT TARGET IMPACT. AN ASSESSMENT OF THE PROBLEM DETERMINED THAT THE MAJORITY OF THESE OCCURRENCES WERE CAUSED BY A FAILURE OF THE PIEZOELECTRIC CRYSTAL IN THE NOSE CAP TO GENERATE AN ELECTRIC CURRENT. THE M412A2 FUZE THAT IS USED IN BOTH THE DODIC H557, NSN 1340-01-429-4632, M72A5 AND M72A7 LAW ROCKETS IS DESIGNED TO FUNCTION AS THE RESULT OF A DIRECT HIT ON TARGET. WHEN THE WARHEAD NOSE CAP IMPACTS THE TARGET, A PIEZOELECTRIC CRYSTAL THAT IS LOCATED INSIDE THE CAP GENERATES AN ELECTRIC CURRENT. THIS CURRENT INITIATES THE ELECTRIC DETONATOR WHICH DETONATES THE BOOSTER FOLLOWED BY THE MAIN EXPLOSIVE CHARGE IN THE WARHEAD. (NOTE: SETBACK FROM THE ROCKET ACCELERATION MUST PRECEDE THE ABOVE EVENTS IN ORDER TO ARM THE FUZE). IF THE NOSE CAP IS NOT CRUSHED AT TARGET IMPACT (I.E., THE ROCKET GRAZES THE TARGET), NO CURRENT WILL BE PRODUCED BY THE PIEZOELECTRIC CRYSTAL, AND THE WARHEAD WILL NOT DETONATE.

THE VARIOUS SURFACE ANGLES AND IRREGULARITIES ON SOME TARGETS INCREASES THE DIFFICULTY IN OBTAINING AN EFFECTIVE

HIT ON TARGET. AIM POINTS SHOULD BE FOCUSSED ON THE FLAT SURFACES OF THE TARGET. THE SURFACE DOES NOT HAVE TO BE AT A 90-DEGREE ANGLE RELATIVE TO THE ROCKET; MANUFACTURE'S TESTS HAVE DEMONSTRATED THAT RELIABLE PERFORMANCE CAN BE OBTAINED DOWN TO ANGLES AS LOW AS 15 DEGREES FROM THE HORIZONTAL. THE CRITICAL FACTOR IS THAT THE NOSE CAP IS THE FIRST COMPONENT ON THE ROCKET TO MAKE CONTACT WITH THE TARGET.

USERS OF THE DODIC H557 ARE ENCOURAGED TO REPORT ALL INCIDENTS OF WARHEADS FAILING TO DETONATE BY CODR/EMR IN ACCORDANCE WITH OPNAVINST 5102.1D.

AMMO INFO NOTICE 015-2002:

SUBJ: HAND GRENADE LOT NUMBERING SYSTEM (1330-G900,G922,G924,G930,G937,G940,G945, G950,G963)

THIS AIN APPLIES TO NAVY STOCK ONLY.

THIS AIN IS BEING ISSUED TO EXPLAIN THE LOT NUMBERING SYSTEM OF GRENADE LOTS FOR DODICS 1330-G900/G922/G924/G930/G937/G940/G945/G950/G963.

GRENADES MANUFACTURED IN THE 1960'S HAVE A UNIQUE LOT NUMBERING METHODOLOGY. AN EXAMPLE OF A 1960'S GRENADE LOT NUMBER AND HOW TO DETERMINE THE MANUFACTURER AND YEAR OF MANUFACTURE IS AS FOLLOWS:

EXAMPLE: 1023-63-1001

(A) THE FIRST THREE DIGITS REPRESENTS THE MANUFACTURER'S SYMBOL.

102 = PINE BLUFF ARSENAL (PB- OR PBA-)

103 = ROCKY MOUNTAIN ARSENAL (RMA-)

201 = ORDNANCE PRODUCTS INC. (OPI-)

202 = UNIDYNAMICS (UNI-)

203 = NORTHROP CAROLINA INC. (NCI-)

204 = UNIDYNAMICS/PHOENIX (UNV-)

(B) THE FOURTH NUMBER REPRESENTS THE LINE NUMBER AT THE PLANT WHERE THE GRENADE WAS PRODUCED.

(C) THE YEAR OF MANUFACTURE IS DETERMINED BY DOING A MATHEMATICAL EQUATION WITH THE MIDDLE TWO DIGITS. STARTING WITH 1960 AS YOUR BASE, THE FIFTH DIGIT OF THE LOT NUMBER REPRESENTS THE SECOND DIGIT OF THE FISCAL YEAR.

(NOTE: THE FISCAL YEAR STARTED IN JULY AND RAN THRU JUNE IN THE 1960'S.) THE SIXTH DIGIT OF THE LOT NUMBER REPRESENTS A BI-MONTHLY PERIOD THE LOT WAS MANUFACTURED IN. THE BREAKDOWN OF MONTHS IS AS FOLLOWS:

1 = JUL/AUG

2 = SEP/OCT

3 = NOV/DEC

4 = JAN/FEB

5 = MAR/APR

6 = MAY/JUN

IF THE MONTH (SIXTH DIGIT) IS A 1, 2 OR 3, THE YEAR OF MANUFACTURE/ASSEMBLY WILL BE THE PREVIOUS YEAR FROM THE ONE SHOWN. IF THE MONTH INDICATOR IS A 4, 5 OR 6, THE YEAR OF MANUFACTURE WILL BE THE SAME YEAR AS THE ONE SHOWN.

(D) THEREFORE, FOR THE EXAMPLE OF 1023-63-1001, START WITH 1966, SUBTRACT 1 YEAR SINCE THE MONTH INDICATOR IS A 3, AND THE YEAR OF MANUFACTURE WOULD BE 1965. THE LAST FOUR DIGITS OF THE LOT NUMBER IS THE LOT SEQUENCE

NUMBER.

AMMO INFO NOTICE 016-2002:

THERE HAVE BEEN SEVERAL NARS ISSUED FOR SOME OF THE SUBJECT DODICS THAT STATE: ALL STOCKS OF PB/PBA LOTS MANUFACTURED DURING A CERTAIN YEAR. USING THE ABOVE EXAMPLE, LOTS BEGINNING WITH 102 WERE MANUFACTURED BY PINE BLUFF AND SHOULD BE INCLUDED IN THE NAR ACTIONS IF THE YEAR OF MANUFACTURE IS DETERMINED TO BE APPLICABLE. SUBJ: IMPROPERLY MARKED CARTRIDGE ACTUATED INITIATOR CONTAINERS (1377-M682)

THIS AIN SUPERSEDES NALC AIN 013-02 (111935Z JAN 02).

AMMO INFO NOTICE 017-2002:

THIS AIN DISSEMINATES INFORMATION PERTAINING TO M682 CARTRIDGE ACTUATED INITIATOR, LOT IHM01H001-008A. THE INITIATORS ARE PACKAGED IN INNER CONTAINERS IMPROPERLY MARKED LOT IHMOIH001-008A. THE INITIATORS THEMSELVES ARE LABELED WITH THE CORRECT LOT NUMBER. THIS DISCREPANCY DOES NOT AFFECT FORM, FIT OR FUNCTION. THE MISMARKED CARTRIDGES ARE FULLY SERVICEABLE. INSTALLED ASSETS ARE UNAFFECTED. ADDITIONAL QDRS ON THIS LOT ARE NOT REQUIRED. SUBJ: SURVEILLANCE FUNCTION TESTING OF C-4 BLOCKS (1375-M023, M757)

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

THIS AIN IS TO BE ISSUED TO ACTIVITIES THAT TEST AND EVALUATE DODICS M023 AND M757, C-4 DEMOLITION BLOCKS.

AMMO INFO NOTICE 018-2002:

PRELIMINARY RESULTS FROM RECENT TESTING INDICATE THAT C-4 BLOCKS HAVING PENETROMETER READINGS GREATER THAN 8.5 POUNDS ARE STILL SUITABLE FOR MARINE CORP USE. DO NOT RECLASSIFY MARINE CORPS ASSETS SOLELY ON THE RESULTS OF PENETROMETER HARDNESS TESTING AS DESCRIBED IN ARMY AIN 02-02, AND/OR SUBSEQUENT INCLUSION OF PENETROMETER TESTING INTO SB 742-1375-94-423.

SUBJ: LOT NUMBERING SYSTEM OF GRENADE LOTS FOR DODICS (1330-G900, G924, G930, G937, G940, G945, G950, G963)

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

THIS AIN IS BEING ISSUED TO EXPLAIN THE LOT NUMBERING SYSTEM OF GRENADE LOTS FOR DODICS 1330-G900/G924/G930/G937/G940/G945/G950/G963.

GRENADES MANUFACTURED IN THE 1960'S HAVE A UNIQUE LOT NUMBERING METHOLOGY. AN EXAMPLE OF A 1960'S GRENADE LOT NUMBER AND HOW TO DETERMINE THE MANUFACTURER AND YEAR OF MANUFACTURE IS AS FOLLOWS:

EXAMPLE: 1023-63-1001

(A) THE FIRST THREE DIGITS REPRESENTS THE MANUFACTURER'S SYMBOL.

102 = PINE BLUFF ARSENAL (PB- OR PBA-)

103 = ROCKY MOUNTAIN ARSENAL (RMA-)

201 = ORDNANCE PRODUCTS INC. (OPI-)

202 = UNIDYNAMICS (UNI-)

203 = NORTHROP CAROLINA INC. (NCI-)

204 = UNIDYNAMICS/PHOENIX (UNV-)

(B) THE FOURTH NUMBER REPRESENTS THE LINE NUMBER AT THE PLANT WHERE THE GRENADE WAS PRODUCED.

(C) THE YEAR OF MANUFACTURE IS DETERMINED BY DOING A MATHEMATICAL EQUATION WITH THE MIDDLE TWO DIGITS. STARTING WITH 1960 AS YOUR BASE, THE FIFTH DIGIT OF THE LOT NUMBER REPRESENTS THE SECOND DIGIT OF THE FISCAL YEAR. (NOTE: THE FISCAL YEAR STARTED IN JULY AND RAN THRU JUNE IN THE 1960'S.) THE SIXTH DIGIT OF THE LOT NUMBER REPRESENTS A BI-MONTHLY PERIOD THE

LOT WAS MANUFACTURED IN. THE BREAKDOWN OF

MONTHS IS AS FOLLOWS:

- 1 = JUL/AUG
- 2 = SEP/OCT
- 3 = NOV/DEC
- 4 = JAN/FEB
- 5 = MAR/APR
- 6 = MAY/JUN

IF THE MONTH (SIXTH DIGIT) IS A 1, 2 OR 3, THE YEAR OF MANUFACTURE/ASSEMBLY WILL BE THE PREVIOUS YEAR FROM THE ONE SHOWN. IF THE MONTH INDICATOR IS A 4, 5 OR 6, THE YEAR OF MANUFACTURE WILL BE THE SAME YEAR AS THE ONE SHOWN.

(D) THEREFORE, FOR THE EXAMPLE OF 1023-63-1001, START WITH 1966, SUBTRACT 1 YEAR SINCE THE MONTH INDICATOR IS A 3, AND THE YEAR OF MANUFACTURE WOULD BE 1965. THE LAST FOUR DIGITS OF THE LOT NUMBER IS THE LOT SEQUENCE NUMBER.

THERE HAVE BEEN SEVERAL NARS ISSUED FOR SOME OF THE SUBJECT DODICS THAT STATE: ALL STOCKS OF PB/PBA LOTS MANUFACTURED DURING A CERTAIN YEAR. USING THE ABOVE EXAMPLE, LOTS BEGINNING WITH 102 WERE MANUFACTURED BY PINE BLUFF AND SHOULD BE INCLUDED IN THE NAR ACTIONS IF THE YEAR OF MANUFACTURE IS DETERMINED TO BE APPLICABLE.

AMMO INFO NOTICE 019-2002:

SUBJ: EXPECTED HIGH DUD RATE IN DELAY (1390-N340)

THIS AIN SUPERSEDES NOC AIN 025-95 (171935Z JUL 95).

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

THIS AIN IS TO BE ISSUED WITH ALL N340 FUZES FOR USE BY ALL ORGANIZATIONS AND UNITS USING SUBJECT AMMUNITION.

N340 FUZES CAN BE EXPECTED TO PERFORM WITH A HIGH FAILURE RATE WHEN USED IN THE DELAY MODE. THIS DEFECT CANNOT BE ISOLATED TO ANY PARTICULAR LOT AND IS CONSIDERED COMMON TO ALL N340 FUZES.

BASED ON TEST RESULTS, THE N340 CAN BE EXPECTED TO DUD IN THE DELAY MODE BETWEEN 24 AND 40% OF THE TIME. THE SUPERQUICK MODE IS NOT AFFECTED AND HAS A HIGH RELIABILITY.

USERS ARE ADVISED TO UTILIZE THE SUPERQUICK MODE WHENEVER POSSIBLE AND, IF THE TACTICAL SITUATION REQUIRES THE USE OF THE DELAY MODE, EXPECT TO USE ADDITIONAL ROUNDS TO ACCOMPLISH THE OBJECTIVE.

AMMO INFO NOTICE 020-2002:

SUBJ: EPOXY ADHESIVE RESIDUE AND TEFLON TAPE APPLICATION UPDATE, CARTRIDGE, 120MM TPCSDS-T, M865 (1315-C785)

REF CDRMAC ROCK ISLAND IL 202200Z FEB 02.

THIS AIN SUPERSEDES NALC AIN 062-01 (DTG 061945Z SEP 01).

REQUEST THIS AIN BE PASSED TO ALL ORGANIZATIONS AND PERSONNEL INVOLVED IN THE STORAGE, INSPECTION, AND FIRING OF THE SUBJECT M865 (C785) 120MM TANK CARTRIDGES.

THERE HAVE BEEN INSTANCES WHERE CHAMBERING PROBLEMS HAVE BEEN REPORTED BY BOTH MARINE CORPS AND ARMY GUNNERS. THE CAUSE OF THESE CHAMBERING PROBLEMS WAS TRACED TO RESIDUE LEFT IN THE GUN TUBES AFTER FIRING M865 (C785) CARTRIDGES WHICH HAD THE MOST RECENT PROJECTILE-TO-CASE JOINT CONFIGURATION. THIS RESIDUE IS THE REMAINS OF THE INERT ADAPTER MATERIAL, ALONG WITH GREEN EPOXY ADHESIVE.

THE RESIDUE PERIODICALLY REMAINS IN THE CHAMBER AREA AFTER FIRING. THESE PIECES OF RESIDUE PREVENT SUBSEQUENT

ROUNDS (INCLUDING C784 CARTRIDGES) FROM COMPLETELY CHAMBERING AND MAY CAUSE THEM TO BECOME STUCK. THE RESIDUE IS NON-BURNING AND NON-SMOLDERING, AND WILL NOT CAUSE SMOLDERING OR IGNITION OF SUBSEQUENTLY CHAMBERED CARTRIDGES. HOWEVER, SUCH OCCURRENCES

CAN BECOME A SAFETY PROBLEM IF TANK CREWS ATTEMPT TO APPLY EXCESSIVE FORCE TO CHAMBER A ROUND, AND/OR DO NOT USE THE PROPER PROCEDURES FOR REMOVING STUCK ROUNDS; BOTH OF WHICH COULD RESULT IN CARTRIDGE SEPARATION AND SPILLAGE OF PROPELLANT. PROPER PROCEDURES ARE PROVIDED IN PARAGRAPHS 11 AND 12 OF THIS AIN.

PROVIDED BELOW IS A LIST OF ALL M865 CARTRIDGE LOTS MANUFACTURED FROM MAY 00 TO MAY 01. ONLY THESE LOT NUMBERS, WITH OR WITHOUT SUFFIX, MAY PRODUCE THE GREEN EPOXY RESIDUE.

ORI00E122-001A ORI00F703-001A
ORI00F123-001 ORI00G123H002
ORI00H703-002 ORI00L703-003
ORI00L123-003 ORI00M703-004
ORI01B703-006 ORI01B124-001
ORI01D703-007 ORI01E703-008

TEST AND EVALUATION HAS DEMONSTRATED A DOUBLE WRAP OF TEFLON TAPE ON THE CARTRIDGE CASE ADAPTER, JUST BELOW THE INSERT, HELPS TO ELIMINATE THE GREEN EPOXY RESIDUE. THE RESIDUE OCCURRENCE RATE OF THE CURRENT M865 CONFIGURATION IS 2 PERCENT. THE RESIDUE OCCURRENCE RATE OF TEFLON TAPED CARTRIDGES IS ESTIMATED AT 0.2 PERCENT. TEFLON TAPE WILL BE APPLIED TO SELECTED M865 CARTRIDGES AS AN INTERIM IMPROVEMENT. MARINE UNITS MAY OR MAY NOT SEE TEFLON TAPED M865 CARTRIDGES. THE TAPING IS NOT CONSIDERED A MODIFICATION TO THE ROUND AND DOES NOT ALTER THE LOADING OR FIRING CHARACTERISTICS. THE TEFLON TAPED CARTRIDGES BETTER INTERFACE WITH THE WEAPON SYSTEM AND ARE LESS LIKELY TO CAUSE CHAMBERING PROBLEMS WHICH DELAY AND DISRUPT TRAINING.

CARTRIDGES THAT HAVE ALREADY BEEN TAPED WITH TEFLON CAN BE IDENTIFIED AS FOLLOWS: (1) THE AFT CAP/CASE BASE OF EACH CARTRIDGE IS MARKED WITH A BLACK "T". (2) THE TOP OPPOSITE CORNERS OF THE PALLET HAVE A TAG TO IDENTIFY THAT THE CARTRIDGES HAVE BEEN MODIFIED WITH TEFLON TAPE AND THE DATE OF MODIFICATION. NOTE: THERE IS NO CONDITION CODE CHANGE ASSOCIATED WITH THE GREEN RESIDUE ISSUE; BOTH TAPED AND UNTAPED CARTRIDGES MAY BE IN CONDITION CODE "A" PROVIDED NO OTHER DEFECTS APPLY.

A DESIGN CHANGE WAS INCORPORATED INTO PRODUCTION IN JUNE 01, WHICH ELIMINATES THE RESIDUE PROBLEM, AND THE NEED FOR TEFLON TAPING. HOWEVER, USERS WILL CONTINUE TO OCCASIONALLY SEE TEFLON TAPED ROUNDS AND GREEN EPOXY RESIDUE IN GUN TUBES UNTIL THOSE LOTS LISTED IN PARAGRAPH 7 ABOVE ARE DEPLETED FROM THE INVENTORY.

FOR ALL FIELD USERS: WARNING:

(A) DO NOT USE EXCESSIVE FORCE TO CHAMBER A ROUND. IF THE ROUND CANNOT BE CHAMBERED BY HAND AND RESIDUE IS PRESENT, EXCESSIVE FORCE MAY CAUSE THE ROUND TO GET TIGHTLY JAMMED IN THE CHAMBER YET NOT BE TOTALLY CHAMBERED. THIS MAY CREATE A SAFETY HAZARD WHEN THE ROUND IS REMOVED FROM THE GUN TUBE, SINCE IT MAY COME APART AND SPILL PROPELLANT IF PROPER CARTRIDGE REMOVAL PROCEDURES ARE NOT STRICTLY FOLLOWED.

(B) DO NOT USE AN EXTRACTOR TOOL TO REMOVE ROUNDS.

THE EXTRACTOR TOOL CAN CAUSE SEPARATION OF THE CASE BASE (AFT CAP) AND THE CARTRIDGE CASE. IF THE ROUND SEPARATES, PROPELLANT CAN SPILL. IF SPILLED PROPELLANT CONTACTS A HEAT SOURCE, SUCH AS A HOT PRIMER FROM A PREVIOUSLY FIRED CARTRIDGE, THE RESULTING FIRE CAN BE LETHAL. THE EXTRACTOR TOOL SHOULD ONLY BE USED FOR REMOVING A STUCK CASE BASE AND SEAL ASSEMBLY (CBSA), AFTER SUCCESSFULLY FIRING A ROUND.

STUCK ROUND EXTRACTION PROCEDURES:

- (A) DO NOT USE UNDUE FORCE IN ATTEMPTING TO REMOVE THE ROUND. IF THE ROUND CANNOT BE EASILY REMOVED BY HAND, IT IS CONSIDERED A STUCK ROUND. STUCK ROUNDS MUST BE REMOVED FROM THE CHAMBER BY RAMMING OUT FROM THE FORWARD END OF THE GUN TUBE AS SPECIFIED IN TANK OPERATOR'S MANUAL-LOADERS STATION-SERVICE MAIN GUN (REMOVE STUCK ROUND).
CAUTION: METAL SPLINTERS FROM THE PROJECTILE OR CHAMBER HAVE BEEN FOUND IN SOME TUBES. LOADERS SHOULD WEAR GLOVES WHEN FEELING FOR, OR REMOVING, RESIDUE FROM INSIDE THE GUN TUBE.
- (B) ONCE A STUCK ROUND HAS BEEN SAFELY REMOVED FROM THE GUN, CREWS MUST INSPECT THE CHAMBERAGE/FORCING CONE AREA OF THE GUN TUBE AND REMOVE ANY RESIDUE. NORMALLY THE LOADER CAN REMOVE THIS RESIDUE BY HAND. IN SOME INSTANCES, IT MAY TAKE A HEAVIER TOOL TO KNOCK THE RESIDUE FROM THE TUBE/CHAMBER WALL. A RESIDUE REMOVAL TOOL HAS BEEN DEVELOPED AND PROVIDED TO 1ST (29 PALMS) AND 2ND (CAMP LEJEUNE) TANK BATTALIONS. IT IS ADVISED THAT A LIGHT SOURCE (SUCH AS A GOOD FLASHLIGHT) BE USED TO INSPECT THE CHAMBER AREA. RESIDUE CAN SOMETIMES BE SMALL AND LOCATED FAR INTO THE CHAMBER AREA, AND THIS MAKES IT HARD TO SEE. LOADERS SHOULD WIPE OUT THE CHAMBER WITH A CLEAN DRY RAG TO ENSURE ALL RESIDUE IS REMOVED, PRIOR TO CHAMBERING ANOTHER ROUND. DISPOSE OF LEFT OVER EPOXY IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL EPA REGULATIONS.
- (C) AFTER A STUCK ROUND HAS BEEN SAFELY REMOVED FROM THE GUN, CREWS MUST INSPECT THE ROUND IAW PROCEDURES CONTAINED IN CHAPTER 5, TABLE 5-2 OF TANK OPERATOR'S MANUAL. IF THE ROUND IS FOUND TO BE SERVICEABLE, IT CAN BE USED ON SUBSEQUENT LIVE FIRE MISSIONS. ALL ROUNDS FOUND UNSERVICEABLE SHALL NOT BE FIRED. THEY MUST BE RETURNED TO THE ASP IAW UNIT SOP, AND ASP PERSONNEL WILL DETERMINE THE APPROPRIATE CLASSIFICATION AND DISPOSITION OF THESE ROUNDS.

MARINE CORPS TECHNICAL POINT OF CONTACT IS MATTHEW O'MALLEY, MCPD CODE 40912, DSN 873-3515, EMAIL OMALLEYMJ@MCPD.NAVY.MIL.
SUBJ: OPERATIONAL SAFETY OF USE MESSAGE (SOU), 25MM DOUBLE FEED HAZARD (1305- A940)

REF CDROSC ROCK ISLAND IL 041930Z MAR 02.

ALL PERSONNEL AND UNITS WITH LIGHT ARMORED VEHICLES.
VEHICLES AFFECTED: USMC LIGHT ARMORED VEHICLE 25,
NSN 2320-01-123-1602, ID 08594A, TAM E0947
WARNING: DEATH OR SERIOUS INJURY TO PERSONNEL, OR DAMAGE TO EQUIPMENT WILL OCCUR IF THE INSTRUCTIONS IN THIS MESSAGE ARE NOT FOLLOWED
PROBLEM:

AMMO INFO NOTICE 021-2002:

- (A) IT HAS BEEN DISCOVERED THAT THE POSSIBILITY OF A DOUBLE FEED IN THE M242, 25MM CHAIN GUN EXISTS WHEN USING M910 (DODIC A940) AMMUNITION. THERE HAVE BEEN TWO REPORTED CASES WITH ONE INVOLVING INJURY TO PERSONNEL. THE INJURIES WERE A RESULT OF A MULTIPLE PRIMER/PROPELLANT INITIATION WITHIN THE GUN SYSTEM.
- (B) MISALIGNED M910 AMMUNITION LOADED INTO THE WEAPON SYSTEM WITHOUT THE PROTECTIVE NOSE CAPS ATTACHED MAY SUCCESSFULLY PASS THROUGH THE FEED CYCLE OF THE GUN SYSTEM. THE AMMUNITION COULD SUBSEQUENTLY BE PLACED IN FRONT OF THE BOLT INSTEAD OF BEING INSERTED INTO AND CONTROLLED BY THE T-SLOT EXTRACTORS ON THE BOLT FACE. DUE TO THIS IMPROPER PLACEMENT OF THE ROUND AHEAD OF THE BOLT, THE ROUND WILL NOT FIRE AND A WEAPON STOPPAGE WILL OCCUR. THE BOLT POSITION INDICATOR POINTING IN THE RAM AREA (COOKOFF ZONE) JUST PRIOR TO FIRE WILL INDICATE THAT THE BOLT HAS NOT FULLY LOCKED INTO THE BREECH OF THE RECEIVER.
- (C) ATTEMPTS TO CLEAR THE WEAPON STOPPAGE BY DROPPING THE VERTICAL DRIVE SHAFT AND PLACING THE FEEDER AND RECEIVER SEPARATELY INTO THE SEAR POSITION COULD MIS-LEAD CREW MEMBERS INTO THINKING THE GUN IS SAFE TO FIRE. BECAUSE THE T-SLOT EXTRACTORS WERE NOT CONTROLLING THE AMMUNITION, THE BOLT WILL MOVE REARWARD TOWARDS THE SEAR POSITION LEAVING THE ROUND IN THE CHAMBER.
- (D) SOME OF THE M910 25MM AMMUNITION WITH THE NOSE CAPS REMOVED MAY BE SHORT ENOUGH TO ALLOW A SECOND ROUND TO BE PLACED ON THE BOLT FACE BEHIND A ROUND ALREADY CHAMBERED. WHEN THE GUN CYCLES THROUGH ITS RAM PHASE OF OPERATION, THE ROUND ON THE BOLT FACE WILL IMPACT THE PRIMER OF THE CHAMBERED ROUND CAUSING PRIMER INITIATION OF THAT ROUND. THE ROUND OF AMMUNITION ON THE FACE OF THE BOLT COULD ALSO BE INITIATED DUE TO THE IMMEDIATE REARWARD MOVEMENT FROM THE BLAST.

USERS ACTIONS:

- (A) IMMEDIATELY INFORM ALL VEHICLE CREW MEMBERS THAT THERE IS A POSSIBILITY THAT THE 25MM GUN CAN BE DOUBLE FED WHILE USING M910 AMMUNITION WITHOUT PROTECTIVE NOSE CAPS. MULTIPLE ROUND INITIATION MAY OCCUR IF A WEAPON STOPPAGE IS NOT PROPERLY CLEARED.
- (B) INFORM ALL CREW MEMBERS TO USE EXTREME DILIGENCE WHEN INSPECTING AND LINKING AMMUNITION TO ENSURE IT IS CORRECTLY ALIGNED IN THE LINKS.
- (C) INFORM ALL CREW MEMBERS THAT THE REMOVAL OF SERVICEABLE NOSE CAPS IS NOT AUTHORIZED. IF NOSE CAPS ARE SPLIT OR MISSING THE AMMUNITION IS SAFE TO FIRE IN ACCORDANCE WITH CURRENT VEHICLE TM'S 9-2350-284-10-2 AND 9-2350-294-10-2-2. EXTRA CARE MUST BE TAKEN TO ENSURE THAT ROUNDS WITHOUT NOSE CAPS ARE PROPERLY ALIGNED IN THE LINKS.
- (D) INFORM ALL CREW MEMBERS THAT WEAPON MALFUNCTIONS OR STOPPAGES THAT CANNOT BE CORRECTED BY PUSHING THE MISFIRE BUTTON IAW THE STEPS OUTLINED IN THE TECHNICAL MANUALS, MUST BE CLEARED BY REMOVING THE

FEEDER AND PHYSICALLY INSPECTING THE CHAMBER FOR UNFIRED AMMUNITION.

- (E) WHEN A WEAPON STOPPAGE OCCURS, AMMUNITION COULD BE CHAMBERED LONG ENOUGH TO CREATE A COOKOFF CONDITION. FOLLOW APPROPRIATE PROCEDURES IAW THE STEPS OUTLINED IN THE VEHICLE TECHNICAL MANUALS TO PREVENT AMMUNITION COOKOFF.
- (F) INFORM ALL TURRET CREW MEMBERS THAT IF THE VERTICAL DRIVE SHAFT IS DROPPED FOR ANY REASON, THE FEEDER MUST BE REMOVED FROM THE RECEIVER AND THE WEAPON VISUALLY CHECKED AND CLEARED.
- (G) IT IS THE COMMANDERS DISCRETION TO DETERMINE WHETHER VEHICLE CREWS OR MASTER GUNNERS WILL CLEAR WEAPON STOPPAGES.
- (H) REPORT ANY DOUBLE FEED OCCURRENCES, MALFUNCTIONS, AND MISHAP INCIDENTS IAW MCO 8025.1_, AS WELL AS THROUGH NORMAL CHAIN OF COMMAND.
- (I) RANGE SOPS SHOULD BE UPDATED TO INCORPORATE THESE MEASURES.

AMMO INFO NOTICE 022-2002:

SUBJ: IMPROPERLY MARKED M492 CARTRIDGE ACTUATED CUTTER CONTAINERS (1377-M492)
THIS AIN DISSEMINATES INFORMATION PERTAINING TO M492 CARTRIDGE ACTUATED CUTTER, LOTS RRL00E007-001 AND RRL01L008-001. THE CUTTERS ARE PACKAGED IN INNER CONTAINERS IMPROPERLY MARKED WITH DODIC M942. THE CUTTERS THEMSELVES ARE LABELED CORRECTLY. THIS DISCREPANCY DOES NOT AFFECT FORM, FIT, OR FUNCTION. THE MISS-MARKED LOTS ARE FULLY SERVICEABLE. INSTALLED ASSETS ARE UNAFFECTED. ADDITIONAL QDRS ON THIS DISCREPANCY ON THE AFFECTED LOTS ARE NOT REQUIRED.

AMMO INFO NOTICE 023-2002:

SUBJ: POTENTIAL LOW FORCE ACTIVATION FOR MINE, ANTITANK HEAVY M19 NON-METALLIC (1345-K250)

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL UNITS USING THE MINE, AT, HEAVY M19 NON-METALLIC (K250). IT IS IMPERATIVE THAT ALL USING PERSONNEL BE MADE AWARE THAT THE MINE MAY FUNCTION AT A FORCE LOWER THAN SPECIFIED.

FUNCTIONAL CHARACTERISTICS PER TM 43-0001-36 INDICATES A FORCE OF 300 TO 500 POUNDS APPLIED TO THE PRESSURE PLATE WILL CAUSE MINE DETONATION. TESTING HAS SHOWN THAT MINES MAY FUNCTION BELOW THE 300 POUND LOWER LIMIT. THE LOWEST FUNCTIONAL FORCE RECORDED FROM ONE LOT DURING TESTING WAS 198.5 POUNDS. ON AVERAGE, MINE LOTS CAN BE EXPECTED TO FUNCTION BETWEEN 260 AND 500 POUNDS.

WHEN INSTALLING/EMPLACING/OR REMOVING THE K250 MINES USERS ARE ADVISED TO ADHERE TO ESTABLISHED PROCEDURES, AND TO BE AWARE

OF THE MINE'S LOWER FUNCTIONING FORCE.

AMMO INFO NOTICE 025-2002:

SUBJ: DISPOSITION OF STINGER DODIC PN15 GRIPSTOCKS (1440-PN15)

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

THIS AIN IS TO BE ISSUED TO ALL ACTIVITIES THAT STORE AND ISSUE STINGER MISSILE SYSTEMS.

STINGER PN15 GRIPSTOCKS ARE OBSOLETE AND SHOULD BE DESTROYED LOCALLY. THE DEMIL CODE IS DELTA (TOTAL DESTRUCTION OF ITEM AND COMPONENTS SO AS TO PRECLUDE RESTORATION OR REPAIR TO A USABLE CONDITION). TM 43-0003-24 RECOMMENDED METHODS OF DEMILITARIZATION ARE BY CUTTING, MUTILATING, OR SMASHING.

MARCORSYSCOM RECOMMENDED METHOD OF DESTRUCTION IS TO LAY THE GRIPSTOCKS OUT ON A HARD FLAT SURFACE AND DRIVE OVER THEM WITH A TRUCK UNTIL THEY ARE CRUSHED. THE RESIDUE CAN

AMMO INFO NOTICE 026-2002:

BE TURNED OVER TO DRMO. ROLMS REPORTING ACTIVITIES WILL USE A D7L TRANSACTION TO REMOVE THE PN15 FROM THEIR RECORDS.

EACH SITE MUST REPORT THE PN15 GRIPSTOCKS DESTROYED BY SERIAL NUMBER, DATE OF DESTRUCTION, AND VERIFIED BY TWO QUALIFIED GOVERNMENT REPRESENTATIVES. THE ABOVE INFORMATION SHOULD BE PROVIDED BY NAVAL MESSAGE TO MARCORSYSCOM QUANTICO VA AND INFO COPIED TO MARINE CORPS PROGRAMS FALLBROOK CA AND NAVSURFWARCENDIV CRANE IN/4033/ OR BY EMAIL TO ROSSKA@MCSC.USMC.MIL, BLASSINGAMELM@MCSC.USMC.MIL, LUTHRA@MCPD.NAVY.MIL AND PULLINS_BRAD@CRANE.NAVY.MIL.

SUBJ: POSSIBLE INADVERTENT FIRING (1377-FW98)

THIS AIN APPLIES TO ALL SERVICEABLE LOTS OF FW98 MFG PRIOR TO AND INCLUDING MAY 2001.

COMPLIANCE WITH ACB-976 IS REQUIRED PRIOR TO INSTALLATION IN THE AFFECTED EQUIPMENT. OTHERWISE, BATTERIES COULD SHORT OUT AGAINST CASE CAUSING INADVERTENT FIRING.

EQUIPMENT AFFECTED. LPU-23A/P, LPU-23B/P, LPU-23B (V) 1/P, LPU-23C/P, LPU-33/P, AND LPU-36/P. NSN 1377-01-092-3087 APPLIES.

AMMO INFO NOTICE 027-2002:

SUBJ: 7.62MM BLANKM82 AMMUNITION (1305-A111,A112)

REF CDROSC ROCK ISLAND IL 101830Z APR 02.

THIS AIN SUPERSEDES NOC AIN 004-99 (281935ZOCT98).

THIS AIN APPLIES TO NAVY STOCK ONLY.

REQUEST PASS THIS INFORMATION TO ALL POTENTIAL USERS WITHIN THEIR AREAS OF SUPPORT.

TM 43-0001-27, APRIL 1994 W/CHANGES DEPICTS ONLY ONE DRAWING FOR SUBJECT ITEM WHICH SHOWS A DOUBLE TAPERED NECK CARTRIDGE. A CHANGE IN DESIGN AND MANUFACTURING PROCESS FOR A ROSETTE CRIMPED CARTRIDGE WAS APPROVED BY ARDEC. LOT INTERFIX NUMBER (122) AND FOLLOWING INTERFIXES WERE INITIATED TO IDENTIFY THE ROSETTE CRIMP CARTRIDGE FROM THE DOUBLE TAPERED NECK CARTRIDGE. THE STOCK NUMBER, DODIC, AND MODEL NUMBER ARE TO REMAIN THE SAME FOR BOTH DESIGNS.

THE FOLLOWING CHARACTERISTICS APPLY TO THE ROSETTE CRIMP DESIGN OF SUBJECT ITEMS (DISTINGUISHED FROM DOUBLE SHOULDER CARTRIDGE):

- (A) DRAWING NO. 8597283 REV. R
- (B) FIVE FLUTES.
- (C) PURPLE LACQUER ON CRIMPED NOSE.
- (D) CARTRIDGE WEIGHT: 234.5 GRAIN.
- (E) CARTRIDGE LENGTH: 2.595 INCHES.
- (F) PROPELLANT TYPE: WC 818 PROPELLANT.
- (G) PROPELLANT WT: 16.7 GRAIN.
- (H) QD/SCG: 1.4S (FOR BOTH DESIGNS).

AMMO INFO NOTICE 031-2002:

SUBJ: CARTRIDGE 120MM TP-T, M831A1 AND CARTRIDGE, 120MM TPCSDS-T, M865 (1315- C784,C785)

REF CDROSC ROCK ISLAND IL 251930Z APR 02.

THIS AIN SUPERSEDES NALC AIN 039-01 (DTG 311935Z MAR 01).

REQUEST THIS AIN BE PASSED TO ALL ORGANIZATIONS AND PERSONNEL INVOLVED IN THE FIRING OF SUBJECT 120MM TANK CARTRIDGES.

OVER THE LAST 18-24 MONTHS, THERE HAVE BEEN NUMEROUS INSTANCES WHERE CHAMBERING PROBLEMS HAVE BEEN REPORTED BY BOTH MARINE CORPS AND ARMY GUNNERS. AN INVESTIGATION INTO THE CAUSE OF THESE PROBLEMS WAS LAUNCHED IN LATE CY00. THE CAUSE OF THESE CHAMBERING PROBLEMS WAS TRACED TO NON-SMOLDERING, NON-BURNING RESIDUE BEING LEFT IN THE GUN TUBES AFTER FIRING C785 (M865) CARTRIDGES WITH THE ORIGINAL "EPOXY WEDGE" PROJECTILE-TO-CASE JOINT CONFIGURATION. THIS RESIDUE CAN RESULT IN THE INABILITY TO FULLY CHAMBER

SUBSEQUENT ROUNDS (BOTH C784 OR C785). A REDESIGNED JOINT HAS BEEN IMPLEMENTED, WHICH USES LESS EPOXY. ROUNDS WITH THE IMPROVED DESIGN HAVE BEEN IN PRODUCTION SINCE JUNE 01. HOWEVER, C785 (M865) ROUNDS WITH THE ORIGINAL JOINT DESIGN, WHICH CAN LEAVE EPOXY RESIDUE IN THE TUBE ARE STILL IN THE INVENTORY.

THE INTENT OF THIS AIN IS TO RE-EMPHASIZE GUIDANCE ON PROPER PROCEDURES TO USE IN THE EVENT CREWS EXPERIENCE DIFFICULTIES CHAMBERING TRAINING ROUNDS DUE TO OBSTRUCTION IN THE GUN CHAMBER AREA.

FOR ALL FIELD USERS:

WARNING: DO NOT USE EXCESSIVE FORCE TO CHAMBER A ROUND. IF THE ROUND CANNOT BE CHAMBERED BY HAND AND RESIDUE IS PRESENT, EXCESSIVE FORCE MAY CAUSE THE ROUND TO GET TIGHTLY JAMMED IN THE CHAMBER YET NOT BE TOTALLY CHAMBERED. THIS MAY CREATE A SAFETY HAZARD WHEN THE ROUND IS REMOVED FROM THE GUN TUBE, SINCE IT MAY COME APART AND SPILL PROPELLANT IF PROPER CARTRIDGE REMOVAL PROCEDURES ARE NOT STRICTLY FOLLOWED. DO NOT USE AN EXTRACTOR TOOL TO REMOVE C785 (M865), C784 (M831A1) OR ANY OTHER STUCK ROUNDS. THE EXTRACTOR TOOL CAN CAUSE SEPARATION OF THE CASE BASE AND SEAL ASSEMBLY (CBSA) FROM THE CARTRIDGE CASE. IF THE ROUND SEPARATES, PROPELLANT CAN SPILL. IF SPILLED PROPELLANT CONTACTS A HEAT SOURCE, SUCH AS A HOT PRIMER, THE RESULTING FIRE CAN BE LETHAL. THE EXTRACTOR TOOL SHOULD ONLY BE USED FOR REMOVING A STUCK CBSA, AFTER SUCCESSFULLY FIRING A ROUND.

STUCK ROUND EXTRACTION PROCEDURES:

- (A) DO NOT USE UNDUE FORCE IN ATTEMPTING TO REMOVE THE ROUND. IF THE ROUND CANNOT BE EASILY REMOVED BY HAND, IT IS CONSIDERED A STUCK ROUND. STUCK ROUNDS MUST BE REMOVED FROM THE CHAMBER BY RAMMING OUT FROM THE FORWARD END OF THE GUN TUBE AS SPECIFIED IN TANK OPERATOR'S MANUAL (MC TM 08953A-10/1-1) LOADERS STATION-SERVICE MAIN GUN (REMOVE STUCK ROUND).
- (B) ONCE A STUCK ROUND HAS BEEN SAFELY REMOVED FROM THE GUN, CREWS MUST INSPECT THE CHAMBERAGE/FORCING CONE AREA OF THE GUN TUBE AND REMOVE ANY RESIDUE.
- (C) ONCE A STUCK ROUND HAS BEEN SAFELY REMOVED FROM THE GUN, CREWS MUST INSPECT THE ROUND IAW PROCEDURES CONTAINED IN CHAPTER 5, TABLE 5-2 OF TANK OPERATOR'S MANUAL (MC TM 08953A-10/1-2). IF THE ROUND IS FOUND TO BE SERVICEABLE, IT CAN BE USED ON SUBSEQUENT LIVE FIRE MISSIONS. ALL ROUNDS FOUND UNSERVICEABLE SHALL NOT BE FIRED. THEY MUST BE RETURNED TO THE ASP IAW LOCAL SOP (NOTING THOSE ROUNDS THAT HAVE BEEN RAMMED), AND ASP PERSONNEL WILL PLACE THESE ROUNDS IN CONDITION CODE FOXTROT AND REQUEST DISPOSITION INSTRUCTIONS IAW WITH LOCAL PROCEDURES.

PROVIDED BELOW IS A LIST OF ALL C785 (M865) CARTRIDGE LOTS MANUFACTURED BETWEEN MAY 00 AND MAY 01. ONLY THESE LOT NUMBERS,

WITH OR WITHOUT SUFFIX, MAY PRODUCE THE GREEN EPOXY RESIDUE:

ORI00E122-001A	ORI00H703-002
ORI00F123-001	ORI00L703-003
ORI00G123H002	ORI00M703-004
ORI00L123-003	ORI01B703-006
ORI01B124-001	ORI01D703-007
ORI00F703-001A	ORI01E703-008

AMMO INFO NOTICE 034-2002: TECHNICAL POINT OF CONTACT IS MR. MATTHEW O'MALLEY, MCPD
CODE 40912, DSN 873-3515.
SUBJ: DUMMY CARTRIDGE, 12 GAUGE SHOTGUN MK 242 MOD 0 (1305-CWDC, AA55)
THIS INFORMATION WILL BE DISSEMINATED TO ALL STORAGE ACTIVITIES AND USING UNITS.
PREVIOUS DODIC CWDC, DUMMY CARTRIDGE, 12 GAUGE SHOTGUN MK 242 MOD 0, NSN 1305-01-380-3255 HAS BEEN ASSIGNED NEW DODIC AA55.
EXISTING AMMO WILL NOT BE RE-MARKED, BUT WILL REMAIN LABELED CWDC (NAVY DODIC) AND WILL SHOW UP IN ROLMS AS AA55. THE NSN, 1305-01-380-3255, IS THE SAME FOR BOTH CWDC AND AA55.
ALL NEW STOCKS OF THIS ITEM WILL HAVE THE DODIC LABELED AS AA55.

AMMO INFO NOTICE 035-2002: SUBJ: CANINE EXPLOSIVE SCENT KIT DYNAMITE (1375-MN01,M587)
THIS AIN SUPERSEDES NALC AIN 033-02 (231935Z MAY 02).
THE FOLLOWING SAFETY PRECAUTIONS SHOULD BE OBSERVED WHEN HANDLING THE MN01 CANINE EXPLOSIVE SCENT KIT DYNAMITE OR M587 DYNAMITE FOR THE CANINE EXPLOSIVE SCENT KIT:
(A) OPENING M19A1 OR M2A1 METAL CONTAINERS THAT CONTAIN DYNAMITE SHOULD BE ACCOMPLISHED IN A WELL-VENTILATED AREA. THE OPENED CONTAINERS SHOULD BE ALLOWED TO AIR OUT FOR APPROXIMATELY 20 MINUTES BEFORE REMOVAL AND USE OF THE DYNAMITE.
(B) PERSONNEL SHOULD WEAR GLOVES AT ALL TIMES WHEN HANDLING DYNAMITE. ALWAYS WASH HANDS AFTER HANDLING THE DYNAMITE REGARDLESS OF WHETHER GLOVES WERE WORN. NITRILE LATEX FREE GLOVES ARE RECOMMENDED. COTTON OR LEATHER PALM GLOVES MAY BE WORN OVER THE NITRILE GLOVES IF ANY WORK IS PERFORMED. THE DISPOSAL OF THE GLOVES SHOULD BE ACCOMPLISHED IAW LOCAL SAFETY/ENVIRONMENTAL PROCEDURES.
(C) ADDITIONAL INFORMATION REGARDING THE CANINE EXPLOSIVE SCENT KIT REGARDING SERVICE LIFE AND INSPECTION REQUIREMENTS CAN BE FOUND IN NAVY AND MARINE CORPS AIN 010-02.

AMMO INFO NOTICE 039-2002: SUBJ: POTENTIAL LOW FORCE ACTIVATION FOR MINE, ANTITANK HEAVY M21 (1345-K181)
INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL UNITS USING THE MINE AT HEAVY M21 (K181). IT IS IMPERATIVE THAT ALL USING PERSONNEL BE MADE AWARE THAT THE MINE MAY FUNCTION AT A FORCE LOWER THAN SPECIFIED.
FUNCTIONAL CHARACTERISTICS PER TM 43-0001-36 INDICATES A DOWNWARD FORCE OF 290 POUNDS WILL ACTIVATE THE FUZE. HOWEVER, TESTING HAS SHOWN THAT MINES MAY FUNCTION BELOW THE 290-POUND LOWER LIMIT. ON AVERAGE, MINE LOTS CAN BE EXPECTED TO FUNCTION BETWEEN 287 AND 431 POUNDS. THE LOWEST FUNCTIONAL FORCE RECORDED FROM ONE LOT DURING TESTING WAS APPROXIMATELY 235 POUNDS. TESTING OF TILT ROD PRESSURE SHOWS THAT IT IS STILL ABOVE THE MINIMUM OF 3.75 POUNDS.
WHEN INSTALLING/EMPLACING OR REMOVING THE K181 MINES, USERS ARE ADVISED TO ADHERE TO ESTABLISHED PROCEDURES, AND TO BE AWARE OF THE MINE'S LOWER VERTICAL FUNCTIONING FORCE.

AMMO INFO NOTICE 040-2002: SUBJ: CHEMICAL HAZARD SYMBOL FOR MUNITIONS WITH TA SMOKE FILLER (1330-G982)
REQUEST A COPY OF THIS AIN BE PROVIDED TO ALL AMMUNITION STORAGE ACTIVITIES OF MUNITIONS WITH TA SMOKE FILLER (G982, GG03).
AMMUNITION WITH SMOKE FILLER TEREPHTHALIC ACID, (TA),

REQUIRES THE SAME PERSONNEL PROTECTIVE EQUIPMENT AS HC SMOKE MUNITIONS. THE PROPER SYMBOL IS CHEMICAL HAZARD SYMBOL 2, "WEAR BREATHING APPARATUS". TA FILLED MUNITIONS DO NOT REQUIRE THE CHEMICAL HAZARD SYMBOL "APPLY NO WATER".

REQUEST FOR UPDATE TO TABLES 3-6 AND 4-2 OF NAVSEA OP 5, TO REFLECT THE PROPER CHEMICAL HAZARD SYMBOL TO BE DISPLAYED FOR MUNITIONS WITH TA FILLER, HAS BEEN SUBMITTED.

AMMO INFO NOTICE 041-2002:

SUBJ: INSPECTION OF PLASTIC MONOPACK CONTAINERS DUE TO SAFETY CONCERN (1315-C868,C869)

THIS AIN SUPERSEDES NOC IMSD AIN 026-94 (DTG 141935Z JUN 94).

PASS TO ALL UNITS USING THE M889 (C869, NSN: 1315011588200) AND M821 (C868, NSN: 1315011588199) BASIC MODEL HE CARTRIDGES.

PLASTIC MONOPACK CONTAINERS THAT ENCASE THESE CARTRIDGES ARE KNOWN TO DEVELOP CRACKS. SOME CRACKED MONOPACKS ALLOW MOISTURE CONTAMINATION TO CAUSE DEGRADATION. TESTS INDICATE THAT THIS CONDITION DOES NOT PRESENT AN IMMEDIATE SAFETY PROBLEM. ACCELERATED DEGRADATION IS EXPECTED TO OCCUR WITH INCREASED RANGE DISPERSION DUE TO MOISTURE CONTAMINATION. VISUAL DEFECTS SUCH AS RUST AND CORROSION WILL ALSO DEVELOP MORE QUICKLY AS A RESULT OF EXPOSURE.

(A) MONOPACKS CRACKED COMPLETELY THROUGH OR MONOPACK O-RING OUT OF GROOVE WHICH ALLOW AIR AND MOISTURE TO ENTER THE CONTAINER ARE CLASSIFIED AS MAJOR DEFECTS.

(B) MONOPACKS SEVERELY CRACKED TO THE POINT THE CARTRIDGE CAN FALL OUT MAY POSE A DANGER TO THE USER AND ARE CLASSIFIED AS CRITICAL DEFECTS.

PERSONNEL SHALL ENSURE CAREFUL HANDLING OF ALL MONOPACK CONTAINERS CONTAINING THESE CARTRIDGES TO PREVENT THE CARTRIDGES FROM FALLING TO THE GROUND.

LOTS CONTAINING CRACKED MONOPACK CONTAINERS SHALL BE PLACED LOCALLY IN CONDITION CODE C, DEFECT CODE ZPID60, AND REPORTED BY THE USING UNIT AS A VISUAL DEFECT PER MCO 8025.1, LATEST REVISION.

AMMO INFO NOTICE 042-2002:

SUBJ: MINE, ANTIPERSONNEL: M18A1 AND ACCESSORIES (1345-K143)

REF CDROSC ROCK ISLAND IL 042116Z JUN 02.

THIS AIN APPLIES TO NAVY STOCK ONLY.

DURING FUNCTION TESTING OF SUBJECT MINES AT CRANE AAA, ONE OF THE M4 BLASTING CAP ASSEMBLIES INCLUDED WITH THE ITEM WAS FOUND WITH ITS COMBINATION DUST COVER/SHORTING CAP ASSEMBLY NOT CLOSED. EVALUATION BY THE TECHNICAL COMMUNITY HAS DETERMINED THAT THIS CONDITION IS A CRITICAL DEFECT.

THIS AIN IS BEING ISSUED FOR USERS TO INSPECT TO ASSURE THAT SHORTING PLUG/DUST COVER ON M4 ELECTRIC BLASTING CAP ASSEMBLY IS PRESENT AND PROPERLY CLOSED.

IF DEFECT IS FOUND, RECLASSIFY MINE TO CONDITION CODE H LOCALLY AND APPLY DEFECT CODE HSAZ4X.

AMMO INFO NOTICE 044-2002:

SUBJ: JAVELIN RIGID UMBILICAL COVER FIELD UPGRADE

THIS AIN WILL BE ISSUED TO STORAGE FACILITIES AND UNIT THAT USE JAVELIN MISSILE SYSTEMS (DODICS PL34, PL53, PL64).

NUMEROUS FIELD REPORTS AND INSPECTIONS HAVE IDENTIFIED DAMAGE TO THE JAVELIN ROUND UMBILICAL COVER. THE REPORTED DAMAGE HAS OCCURRED FROM HANDLING AND LOADING AND UNLOADING OF THE ROUNDS FROM HELICOPTERS AND VEHICLES DURING COMBAT SITUATIONS. THE FOLLOWING IMMEDIATE PREVENTIVE MEASURE FOR FIELDED ROUNDS IN COMBAT IS DESIGNED TO PROTECT THE UMBILICAL COVER. THESE PROCEDURES ARE PROVIDED FOR FIELD IMPLEMENTATION ONLY.

THE FOLLOWING STEPS SHOULD BE FOLLOWED BY THE UNITS

PREPARING TO FIELD JAVELIN MISSILES FOR COMBAT.

(A) REMOVE ALL DIRT OR DUST FROM UMBILICAL COVER AREA WITH WATER/ALCOHOL AND WIPE WITH A CLEAN DRY COTTON RAG.

(B) ALLOW THE SURFACE TO AIR DRY FOR A MINIMUM OF 5 MINUTES.

(C) REMOVE TAPE BACKING FROM ADHESIVE SURFACE OF THE RIGID COVER AND POSITION OVER THE UMBILICAL COVER.

(D) USING GREEN DUCT TAPE (100 MI HR) COVER UMBILICAL AREA TO INCLUDE THE RIGID COVER WITH TWO LAYERS OF TAPE. APPLY TAPE IN AN ALTERNATING/OVERLAPPING PATTERN (CROSS HATCH).

(E) BEFORE EACH MISSION INSPECT JAVELIN ROUND IAW TM 9-1425-688-12. IF THERE ARE SIGNS OF DENTS, CRACKS, GOUGES OR PUNCTURES ON DUCT TAPE, REMOVE DUCT TAPE TO CONFIRM DAMAGE. IF DAMAGED, REPLACE JAVELIN ROUND.

PRIOR TO TURN IN OF ROUND, INSPECT DUCT TAPE HOLDING RIGID COVER IN PLACE.

(A) IF THERE IS NO DAMAGE TO THE DUCT TAPE, NO INSPECTION IS NEEDED FOR THE UMBILICAL COVER. PLACE ROUND BACK IN THE SHIPPING CONTAINER WITH RIGID COVER TAPED IN PLACE.

(B) IF THERE IS DAMAGE TO THE DUCT TAPE, REMOVE DUCT TAPE, REMOVE RIGID UMBILICAL COVER FROM THE ADHESIVE, AND INSPECT UMBILICAL COVER FOR SIGNS OF GOUGING, CRACKING OR PUNCTURES IAW SB 742-1427-92-002 AND TM 9-1425-688-12. IF THERE ARE NO SIGNS OF GOUGING, CRACKING, OR PUNCTURES, THEN RE-TAPE THE RIGID UMBILICAL COVER OVER THE UMBILICAL COVER AND PLACE ROUND BACK IN THE SHIPPING CONTAINER.

THE POC FOR THE MARINE CORPS IS BRAD PULLINS, CRANE, IN.,
DSN: 482-5671, COMM 812-854-5671 OR EMAIL
PULLINS_BRAD@CRANE.NAVY.MIL.

AMMO INFO NOTICE 045-2002:

SUBJ: ROCKET MOTORS DOWNLOADED FROM CLUSTER (1340-H567)
IF CLUSTER IS RELOADED, RKT MTRS DOWNLOADED FROM CLUSTER SHOULD BE REPACKAGED IN MK 38/0 WOOD BOX THAT SERVICEABLE MOTORS ARE TAKEN OUT OF, LOCALLY RECLAS THE REMOVED MOTORS TO COND CODE FOXTROT, REPALATIZE REMOVED MOTORS IAW FIUL WR-54/257 AND IDENTIFY WITH CORRECT NOMENCLATURE: NALC J271/NSN:1340-00-007-9750 AND STENCIL LOT NUMBER ON OUTSIDE OF BOX. THESE MTRS SHOULD BE SHIPPED TO AAP MCALESTER, OK FOR REWORK. THE LAUNCHERS SHALL BE INSPECTED AND RELOADED IAW NAVAIR 11-75A-92, NEW ROCKET MOTOR LOT NUMBER SHALL BE STENCILED ON THE OUTSIDE OF THE CLUSTER, AND THE CLUSTERS RECLASSIFIED TO THE SAME COND CODE AS THE ROCKET MOTORS (COND CODE ALPHA OR BRAVO).

AMMO INFO NOTICE 046-2002:

SUBJ: SAFETY OF USE FOR GRENADE, HAND, SMOKE, M18 (1330-G940, G945, G950, G955)

THIS AIN IS TO BE ISSUED TO ALL UNITS AND PERSONNEL THAT UTILIZE THE M18 SMOKE HAND GRENADES.

ENSURE PERSONNEL ARE AWARE OF THE FOLLOWING OPERATIONAL SAFETY OF USE ISSUES REGARDING THE M18 SMOKE GRENADES.

(A) THESE GRENADES WORK THROUGH A PRESSURIZED BURNING OF THE INTERNAL SMOKE COMPOSITION. USUALLY DURING INITIAL IGNITION, BUT POSSIBLY ANYTIME THAT THESE ROUNDS ARE FUNCTIONING, FLAMES MAY BE EMITTED THROUGH THE VENT HOLES. CARE MUST BE TAKEN TO

ASSURE THAT THE GRENADE IS NOT USED WHERE FLAMMABLE MATERIAL MAY BE IGNITED.

(B) PERSONNEL SHOULD FURTHER BE CAUTIONED THAT, DURING GRENADE FUNCTIONING, A HAZARD EXISTS FROM THE DISCHARGE OF FLYING HOT PARTICLES THAT CAN BURN PERSONNEL IF PROPER SAFETY MEASURES ARE NOT TAKEN. SEE FM-23-30 FOR FURTHER USE AND PRECAUTION DIRECTIONS.

AMMO INFO NOTICE 047-2002: SUBJ: CLARIFICATION OF PB AND PBA MANUFACTURERS SYMBOLS (1310-B537) (1365-K765)(1375-M612)

THIS AIN SUPERSEDES NALC AIN 064-00 (DTG 261955Z SEP 00).

THIS AIN APPLIES TO NAVY STOCK ONLY

THIS AIN WILL ALSO APPLY TO COMPONENTS WITHOUT DODICS ASSIGNED.

MANUFACTURERS SYMBOLS PB AND PBA HAVE BEEN USED SIMULTANEOUSLY IN THE PAST TO IDENTIFY AMMUNITION PRODUCED BY PINE BLUFF ARSENAL. CURRENT PRODUCTION AT PINE BLUFF ARSENAL IS IDENTIFIED BY MANUFACTURERS SYMBOL PB.

AMMO INFO NOTICE 049-2002: SUBJ: INSPECTION GUIDELINES AND DISPOSITION INSTRUCTIONS FOR OPENED STINGER MISSILE CONTAINERS AND GRIPSTOCKS PACKAGING (1427-

PL41,PL87, PL89,PL93,PL94,PL95) (1440-PN07,PN16)

THIS AIN SUPERSEDES NALC AIN 028-02 (DTG 091945Z MAY 02).

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

THE PURPOSE OF THIS AIN IS TO PROVIDE GUIDANCE FOR VISUAL INSPECTION AND THE PREVENTION OF RE-ISSUANCE OF MISSILES/GRIPSTOCKS THAT HAVE BEEN REMOVED AND EXPOSED TO THE ELEMENTS OR DAMAGED DURING EXERCISES WHILE ON DEPLOYMENT.

MISSILE CONTAINERS WILL NOT BE OPENED FOR THE SOLE PURPOSE OF PERFORMING A VISUAL INSPECTION, UNLESS THERE ARE SIGNS OF DAMAGE OR THE SECURITY SEALS ARE MISSING.

GRIPSTOCK PACKAGING WILL NOT BE OPENED FOR THE SOLE PURPOSE OF PERFORMING A VISUAL INSPECTION. EACH GRIPSTOCK IS INDIVIDUALLY SEALED IN A BARRIER BAG WITH DESICCANT AND SHOULD NOT BE OPENED UNTIL IT IS READY FOR USE. ONLY IF THE BARRIER BAG SEAL HAS BEEN VIOLATED OR THERE IS AN INDICATION OF POSSIBLE DAMAGE SHOULD THE BARRIER BAG BE OPENED AND A VISUAL INSPECTION PERFORMED.

FOR MISSILE CONTAINERS AND GRIPSTOCK PACKAGING OPENED ABOARD SHIP OR IN-THEATER FOR SUPPORT OF AIR DEFENSE OPERATIONS WILL HAVE CONTAINERS/PACKAGING STORED FOR FUTURE USE. UNUSED MISSILES/GRIPSTOCKS SHOULD BE RETURNED TO THEIR ORIGINAL CONTAINERS/PACKAGING. PRIOR TO REPACKING, ITEMS WILL BE INSPECTED IN ACCORDANCE WITH TM-9-1425-429-12 (ORGANIZATION/OPERATORS MANUAL) AND PLACED IN THE APPROPRIATE CONDITION CODE.

(A) CONDITION CODE FOXTROT: FOR REDESSICATION _RRHZ21

(B) CONDITION CODE FOXTROT: FOR VISUAL OR FUNCTIONAL DEFECTS THAT WERE NOTED.

(C) CONDITION CODE GOLF: FOR MISSING PARTS.

PREVIOUSLY OPENED MISSILE CONTAINERS AND GRIPSTOCK PACKAGING SHOULD BE TURNED OVER TO A STORAGE FACILITY DURING THE SHIPS NEXT SCHEDULED OFF-LOAD.

AMMO INFO NOTICE 050-2002: SUBJ: 81MM M889 SERIES AND 60MM M888 HE CARTRIDGES, WITH THE M935 FUZE (1310- B643) (1315-C869)

THIS AIN APPLIES TO NAVY AND MARINE CORPS STOCK.

PASS TO ALL UNITS USING THE M889 (DODIC C869) SERIES AND M888 (DODIC B643) CARTRIDGES.

CARTRIDGES HAVE BEEN FOUND WITH THE FUZE SAFETY PIN ABOVE FLUSH WITH THE M935 FUZE BODY. PERSONNEL MUST INSPECT

THE FUZE SAFETY PIN TO ENSURE THE PIN IS FLUSH WITH THE FUZE BODY. IF THE FUZE SAFETY PIN IS ABOVE FLUSH, PERSONNEL SHALL CAREFULLY ATTEMPT TO REINSERT THE PIN INTO THE FUZE BODY. IF THE FUZE SAFETY PIN CANNOT BE REINSERTED INTO THE FUZE BODY, THE CARTRIDGE MAY BE ARMED AND POSES A DANGER TO THE USER.

CARTRIDGES WITH SAFETY PINS THAT CANNOT BE REINSERTED ARE TO BE CONSIDERED ARMED AND MUST NOT BE FIRED. THE CARTRIDGE SHALL BE REPORTED AS A CRITICAL DEFECT, PER MCO 8025.1 LATEST VERSION OR OPNAVINST 5102.1 LATEST VERSION, AND SET ASIDE FOR DISPOSAL BY EOD. CARTRIDGES WITH SAFETY PINS THAT CAN BE REINSERTED, ARE SAFE FOR FIRING. ROUNDS NOT FIRED WILL HAVE THE SAFETY PIN REINSERTED PRIOR TO RETURNING TO THE ASP.

AMMO INFO NOTICE 051-2002:

SUBJ: 5 INCH 62 CAL EX 45 MOD 4 GUN FIRING MK 67 MOD 3
PROPELLING CHARGE (1320- D326)

RECENT DODIC D326 (CHARGE, PROPELLING, 5 IN 54 CAL, FULL SERVICE, MK 67 MOD 3) CODRS REPORTED A "PUFF OF SMOKE" AROUND BREECH BLOCK AREA, BUILD-UP OF CARBON-LIKE MATERIAL ON FIRING PIN AND A 1.5 SECOND HANGFIRE. THESE WERE SEPARATE INCIDENTS BUT BOTH OCCURRED IN AN EX 45 MOD 4 GUN.

GUN CREWS MANNING EX 45 MOD 4 GUN MOUNTS SHOULD BE ON THE LOOK-OUT FOR THESE TYPE OF INCIDENTS AND, IF OBSERVED, REPORTING INCIDENTS VIA CODR/EMR IN ACCORDANCE WITH THE LATEST REVISION OF OPNAVINST 5102.1. THIS INFORMATION WILL BE MONITORED BY THE RESPECTIVE GUN AND AMMUNITION PROGRAM OFFICES TO DETERMINE IF AND WHAT ACTIONS SHOULD TO BE TAKEN TO PREVENT SUCH INCIDENTS.

AMMO INFO NOTICE 052-2002:

SUBJ: DISPOSITION PROCEDURES FOR OBSOLETE NAVY PROPELLANTS, PROPELLING CHARGES AND CARTRIDGES

THIS AIN SUPERSEDES NALC AIN 032-02 (DTG 211935Z MAY 02).

THIS AIN APPLIES TO NAVY STOCK ONLY.

THIS AIN TARGETS NAVY ACTIVITIES THAT MAY BE STORING OBSOLETE NAVY PROPELLANTS, PROPELLING CHARGES AND/OR CARTRIDGES. AN EXHAUSTIVE SEARCH HAS BEEN CONDUCTED TO DETERMINE IF ANY 6", 8", 12", 14", 4"/50, 5"/25, 1.1"/75, 7"/45, 3"/23, 3"/70 AND 5"/51 PROPELLANTS REMAIN IN NAVY INVENTORY. NAVY INVENTORY SYSTEMS SEARCHED WERE THE US NAVY'S CAIMS-ROLMS AND ADIMS SYSTEMS. ADDITIONALLY, AN INVENTORY CONFIRMATION WAS CONDUCTED VIA AIN 032 -02. AIN 032-02 REQUESTED THAT NAVY ACTIVITIES SEARCH THEIR INVENTORIES FOR ANY OF THE SUBJECT ITEMS THAT MAY NOT BE REPORTED TO THE AFOREMENTIONED INVENTORY SYSTEMS. RESPONSES WERE RECEIVED FROM 10 ACTIVITIES. NEGATIVE RESPONSE IS ASSUMED FOR ALL OTHER ACTIVITIES.

THE AFOREMENTIONED CALIBERS ARE NO LONGER CATALOGED AS NAVY STOCK ITEMS. IF ANY OF THESE ITEMS ARE FOUND IN NAVY INVENTORY IMMEDIATELY CONTACT THE FOLLOWING WITH QUANTITIES AND LOCATION FOR DISPOSITION INSTRUCTIONS. IF AN ACTIVITY NEEDS AN NSN/DODIC LISTING FOR THE MATERIAL IN QUESTION, CONTACT THE PROGRAM MANAGER.

PROGRAM MANAGER: JOHN YARBOR, NAVSURFWARCENDIV CRANE IN, CODE PM416, DSN 482-5884 OR COMMERCIAL 812-854-5884.

EMAIL: YARBOR_J@CRANE.NAVY.MIL

DDA: ROBERT COYLE, NAVSURFWARCENDIV CRANE IN, CODE PM42, DSN 482-5501 OR COMMERCIAL 812-854-5501.

EMAIL: COYLE_ROBERT@CRANE.NAVY.MIL

IM: TOM OLSON, NAVAMMOLOGCEN MECHANICSBURG PA, CODE 4312E, DSN 430-3424 OR COMMERCIAL 717-605-3424.

EMAIL: OLSONTE@NALC.NAVY.MIL

AMMO INFO NOTICE 053-2002:

SUBJ: SAFETY OF USE FOR GRENADE, HAND, FRAGMENTATION, M67, GRENADE, HAND AND RIFLE, SMOKE, WP, M34, GRENADE, HAND, OFFENSIVE, MK 3A2 WITH FUZE WITH SAFETY CLIP AND GRENADE, HAND, OFFENSIVE MK 3A2 WITH FUZE M206A2, WITHOUT SAFETY CLIP (1330-G881,G937,G911)

THIS AIN SUPERSEDES NALC AIN 026-01 (DTG 021940Z FEB 02).
SYSTEM REVIEWS OF THE M67 (G881), M34 (G937) AND THE MK 3A2 (G911) HAND GRENADES HAVE IDENTIFIED TWO CONCERNS THAT CAN HAVE A SERIOUS IMPACT ON USER SAFETY. THESE CONCERNS ARE:

- (A) INVESTIGATION HAS REVEALED THAT A MISCONCEPTION EXISTS RELATIVE TO THE SHORTEST DELAY TIME THE USER CAN EXPECT WITH THE M213 FUZE ASSEMBLED TO THE M67 GRENADE AND M206A2 FUZE WITH THE M34 AND MK 3A2 GRENADES. THE MISUNDERSTANDING IS THAT AT LEAST A 4-SECOND DELAY CAN BE EXPECTED; WHEN IN FACT, IT IS POSSIBLE FOR THE GRENADES TO CONTAIN A FUZE WITH A DELAY TIME AS LOW AS 3 SECONDS. WHEN USING THE M67, M34 OR MK 3A2 GRENADE WITH THE "COOK-OFF" PROCEDURE IDENTIFIED IN PARA 3-5B OF FM 3-23.30, DATED 1 SEPT 2000, GRENADES AND PYROTECHNIC SIGNALS (U), THIS COULD POSE A SERIOUS SAFETY HAZARD.
- (B) ANOTHER MISCONCEPTION FOR THE M67, M34 AND MK 3A2 GRENADES IS THAT IT IS SAFE IF THE SPOON/FUZE LEVER (HANDLE) IS RELEASED AND THEN RETURNED TO THE ORIGINAL POSITION. THIS IS KNOWN AS "MILKING" THE GRENADE AND IS ABSOLUTELY FALSE AND WILL LEAD TO INJURY/FATALITY. THE RELEASE OF SPOON/FUZE LEVER (HANDLE) STARTS AN IRREVERSIBLE SEQUENCE OF EVENTS WHICH WILL RESULT IN DETONATION OF THE GRENADE.

IN LIGHT OF THESE CONCERNS, REQUEST THE FOLLOWING INFORMATION BE REITERATED TO END USERS PRIOR TO ISSUING M67 FRAGMENTATION GRENADE, M34 SMOKE GRENADES AND MK 3A2 OFFENSIVE HAND GRENADE:

- (A) AS SPECIFIED IN FM 3-23-30, PARA 4-2B, THE PRACTICE GRENADE, M69 (G811) W/M228 FUZE (G878) WILL BE UTILIZED FOR "COOK-OFF" TYPE TRAINING. NOTE: DO NOT COOK-OFF THE M67 FRAGMENTATION HAND GRENADE (G881), THE M34 WHITE PHOSPHORUS GRENADE (G937) OR THE MK 3A2 OFFENSIVE HAND GRENADE (G911) WHEN IN TRAINING. AS NOTED IN PARA 3-5B OF FM 3-23.30, THE COOK-OFF PROCEDURE FOR THE GRENADE IS AUTHORIZED ONLY WHEN IN A COMBAT ENVIRONMENT AND THE GRENADE IS NOT BEING UTILIZED AS ANTI-SWIMMER DEVICE. USING THE COOK-OFF PROCEDURE WHEN DEPLOYING THE GRENADE AS AN ANTI-SWIMMER DEVICE COULD RESULT IN DETONATION OF THE GRENADE PRIOR TO WATER ENTRY OR AT VERY SHALLOW WATER DEPTH.
- (B) ALL TRAINING MANUALS AND/OR INSTRUCTORS RESPONSIBLE FOR TRAINING MUST SPECIFICALLY STRESS THE FACT THAT ONCE THE GRENADE SPOON HANDLE HAS BEEN RELEASED, EITHER IN TOTAL OR SUFFICIENTLY TO ALLOW THE STRIKER TO ROTATE, THAT THE GRENADE MUST BE THROWN IMMEDIATELY.

AMMO INFO NOTICE 056-2002:

SUBJ: AUTHORIZED PROPELLING CHARGES FOR THE 155MM: ILLUM M485A1 AND M485A2 PROJECTILE (1320-D505)

THE OPERATORS MANUAL FOR THE 155MM TOWED HOWITZER M198, ARMY TM 9-1025-211-10/USMC TM 08198A-10/1, C4 DATED 15 MAR 2002 CONTAINS INCORRECT INFORMATION IN TABLE 4-3 AUTHORIZED PROJECTILE AND PROPELLING CHARGE COMBINATIONS. THIS TABLE

RESTRICTS FIRING OF THE M485A1 AND M485A2 AT ZONES 5-7WB M4SERIES AND THE M119A1(8)/M119A2(7R) TO "COMBAT USE ONLY". RESEARCH HAS DETERMINED THAT THIS ERROR ORIGINATED IN THE ORIGINAL VERSION OF THE TM AND THAT THE COMBAT ONLY RESTRICTION WAS INTENDED TO APPLY TO FIRING THE M549/A1 HERA PROJECTILE WITH THE M119 PROPELLING CHARGE, DUE TO POTENTIAL FOR ROCKET MOTOR NON IGNITION. THIS M549/A1 COMBAT ONLY RESTRICTION HAS BECOME CONFUSED WITH THE CORRECT M485A1/A2 RELIABILITY NOTATION WITH FUZE SETTINGS OF LESS THAN 10 SECONDS. THERE ARE NO TECHNICAL ISSUES FOR RESTRICTING THE M485A1/M485A2 FROM USE WITH CHARGES 5W-8 (INCLUDING 7R). FIRE CONTROL SOLUTIONS EXIST WITHOUT SAFETY RESTRICTIONS. THE ONLY RESTRICTIONS ARE DUE TO RELIABILITY DECREASE WHEN FIRING ZONES 6,7 AND 8 WITH FUZE SETTINGS LESS THAN 10 SECONDS.

THE ARMY AMMUNITION DATA SHEETS, TM 43-0001-28, DATED APRIL 1994 WITH CHANGE 9 DATED 10 DEC 2001, ALSO CONTAINS THE INCORRECT INFORMATION IN THE AUTHORIZED PROJECTILE/ PROPELLING CHARGE TABLE, SECTION X OF APPENDIX B.

TM 43-0001-28-7, 30 JUNE 1993, WITH CHANGE 1, DATED 20 OCT 1993 AUTHORIZED PROJECTILE, FUZE AND PROPELLING CHARGE COMBINATIONS FOR HOWITZER, MEDIUM TOWED, 155MM: M198 WITH CANNON M199, CONTAINS THE CORRECT COMBINATIONS FOR THE M485A1/A2 PROJECTILES (2-5GB, 3-7WB AND M119A1 AND M119A2) AND SHOULD BE USED FOR AUTHORIZATION, PENDING CHANGES TO THE M198 TM. WHEN A CONFLICT EXISTS BETWEEN THE DATA IN TM-43-0001-28-7 AND OTHER PUBLISHED TECHNICAL MANUALS, THIS MANUAL WILL TAKE PRECEDENCE.

AMMO INFO NOTICE 057-2002:

SUBJ: REPORT OF OUTGASSING CHARGE, DEMOLITION, SHAPED, M2 (1375-M420)

THIS AIN SUPERSEDES NALC AIN 055-02 (DTG 231940Z AUG 02).

REQUEST PASS THIS INFO TO ALL ORGANIZATIONS USING, STORING, INSPECTING OR SHIPPING SUBJECT OUTGASSING ITEMS.

AMMUNITION LOGISTICS ASSISTANCE REPRESENTATIVE (LAR) IN KANDAHAR REPORTED THAT M420 LOTS EXHIBITED OUTGASSING. THE AMMUNITION WAS SUBJECT TO PROLONGED EXPOSURE TO EXTREMELY HIGH TEMPERATURES.

THE DECOMPOSITION PROCESS CAUSING THE OUTGASSING IS UNKNOWN. RECOMMEND THAT AMMUNITION WITH BULGED BARRIER BAGS OR BOXES SPLIT OPEN OR DAMAGED BY OUTGASSING EFFECT BE PLACED IN CONDITION CODE ECHO AND SEGREGATED FROM SERVICEABLE AMMUNITION. RECOMMEND EXERCISE CAUTION IF IT IS NECESSARY TO DEPALLETIZE. REPORT ANY OCCURRENCE OF OUTGASSING TO NSWCD CRANE, CODE PM416 OR FOR MARINE CORPS AMMUNITION SUBMIT DEFECT REPORT IN ACCORDANCE WITH LATEST REVISION OF MCO 8025.1.

IF NECESSARY TO ISSUE AMMUNITION, FOLLOWING DEGASSING PROCEDURES APPLY:

- (A) GAS RELEASE SHOULD BE CONDUCTED IN A WELL-VENTILATED AREA, FREE OF FLAMMABLES, EXPLOSIVES, FIRE, OPEN FLAME AND CONTAMINANTS. PERSON(S) OPENING CONTAINERS MUST WEAR FACE SHIELD, FLAME-RETARDANT CLOTHING, CONDUCTIVE SOLE SAFETY SHOES OR EQUIVALENT.
- (B) IF OUTER PACKAGING IS DAMAGED AND BARRIER BAG IS VISIBLE, USE NON-SPARKING TOOL TO PUNCTURE BAG, RELEASING GAS. REMOVE BARRIER BAG FROM BOX AND HEAT SEAL OR REPLACE BARRIER BAG.
- (C) REPAIR OR REPLACE WOODEN SHIPPING CONTAINERS AND REPACK ITEMS.
- (D) IF OUTER PACKAGING IS BULGING BUT BARRIER BAG IS NOT VISIBLE, BOXES MUST BE CONFINED PRIOR TO CUTTING

BANDING. EXAMPLES OF A CONFINED BOX INCLUDE THE FOLLOWING:

- (1) CONSTRUCT A WOODEN FRAME TO FIT AROUND THE OUTER PACKAGING OF THE SUSPECT AMMUNITION.
- (2) CONFINED WITH STRAPS OR ROPE.
- (3) ANY OTHER CONFINEMENT TECHNIQUE OR DESIGN THAT PREVENTS THE SUSPECT AMMUNITION FROM OPENING VIOLENTLY AND SPLINTERING WHEN BANDING IS CUT.
- (E) CUT BANDING AND SLOWLY OPEN WOODEN BOX.
- (F) WHEN BARRIER BAG IS VISIBLE, USE NON-SPARKING TOOL TO PUNCTURE BAG, RELEASING GAS. REMOVE BARRIER BAG FROM BOX AND HEAT SEAL OR REPLACE BARRIER BAG.
- (G) REPAIR OR REPLACE WOODEN SHIPPING CONTAINERS AND REPACK ITEMS.

AMMO INFO NOTICE 058-2002:

SUBJ: SAFETY OF OPERATIONAL USE, SIMULATOR NOISE CARTRIDGE (SMAW) ASSAULT ROCKET TRAINER, MK 213 MOD 0 (1370-LX21)

A COPY OF THIS AIN TO BE PROVIDED TO ALL UNITS WHICH FIRE SMAW ROCKETS IN TRAINING.

IMPROPER USE OF THE NOISE CARTRIDGE (DODIC LX21) CAN CAUSE SEVERE INJURY TO THE USER.

A REPORT HAS SURFACED INDICATING THAT USERS ARE TAKING EXPENDED SMAW ENCASEMENTS, ATTACHING THEM TO THE LAUNCHER, PLACING LX21 NOISE CARTRIDGES IN THE ENCASEMENT, MODIFYING THE ELECTRONICS, AND FIRING THE CARTRIDGES FOR TRAINING. THIS PRACTICE IS VERY UNSAFE, AND HAS THE POTENTIAL TO CAUSE INJURY.

MODIFYING THE LX21 NOISE CARTRIDGE IN ANY WAY IS STRICTLY PROHIBITED. THIS DEVICE IS ELECTRICALLY INITIATED AND CONTAINS SAFETY FEATURES THAT PREVENTS IT FROM FUNCTIONING PREMATURELY AS A RESULT OF ELECTROSTATIC DISCHARGE. MODIFYING ANY OF THE WIRING/ELECTRONICS ELIMINATES THE BUILT-IN SAFETY FEATURES AND CAN POTENTIALLY FUNCTION WHILE HANDLING IF STATIC ELECTRICITY IS PRESENT AND IS DISCHARGED.

USE OF THE LX21 NOISE CARTRIDGE IS STRICTLY LIMITED TO ITS USE WITH THE TRAINER ASSAULT ROCKET, 83MM (SMAW), MK 27 MOD 0. LX21 NOISE CARTRIDGES WILL ONLY BE ISSUED TO THOSE UNITS WHO HAVE MK 27 MOD 0 TRAINERS.

AS SHOWN IN THE TM 08673A-10/1A, U.S. MARINE CORPS TECHNICAL MANUAL, OPERATORS MANUAL LAUNCHER ASSAULT, ROCKET 83MM (SMAW). THE PROPER PROCEDURES FOR INSTALLING THE LX21 NOISE CARTRIDGE INTO THE MK 27 MOD 0 TRAINER, IS AS FOLLOWS:

- (A) TO PREPARE THE MK 27 MOD 0 TRAINER FOR FIRING, INSTALL AN LX21 NOISE CARTRIDGE INTO THE SIMULATOR HOLDER LOCATED AT THE REAR END OF THE MK 27 MOD 0 TRAINER. INSERT THE LARGE END OF THE LX21 NOISE CARTRIDGE INTO THE LARGE OPENING OF THE SIMULATOR HOLDER FAR ENOUGH SO THE SMALLER END OF THE LX21 NOISE CARTRIDGE WILL SLIDE INTO THE SMALLER OPENING OF THE SIMULATOR HOLDER. PULL BACK ON THE LX21 NOISE CARTRIDGE UNTIL IT FITS TIGHTLY.
- (B) REMOVE THE SAFETY CAP WITH SHUNT FROM THE END PLUG ON THE LX21 NOISE CARTRIDGE AND PLUG IT INTO THE ELECTRICAL CONNECTOR LOCATED ON THE REAR OF THE MK 27 MOD 0 TRAINER.
- (C) ROTATE THE END CAP 1/4 TURN CCW AND REMOVE. RETAIN THE END CAP FOR FUTURE USE.
- (D) INSTALL THE MK 27 MOD 0 TRAINER INTO THE SMAW MK 153 MOD 0 LAUNCHER USING THE SAME PROCEDURE AS LOADING AN ENCASED ROCKET.

AMMO INFO NOTICE 060-2002:

SUBJ: SHIPMENT OF MATERIAL TO THE EUROPEAN COMMUNITY IN RESPECT TO NON-MANUFACTURED CONIFEROUS WOOD PACKING MATERIAL NMWPM ON MARCH 12, 2001, THE EUROPEAN UNION (EU) ISSUED AN EMERGENCY DECISION TO REGULATE SHIPMENT OF CONIFEROUS NMWPM INTO EUROPE TO PREVENT THE INTRODUCTION OF THE PINEWOOD NEMATODE INTO THEIR ECOSYSTEMS. THE EU DECISION TOOK EFFECT ON OCTOBER 1, 2001. THE EU IS COMPRISED OF THE FOLLOWING FIFTEEN COUNTRIES: AUSTRIA, BELGIUM, DENMARK, FINLAND, FRANCE, GERMANY, GREECE, IRELAND, ITALY, LUXEMBOURG, PORTUGAL, SPAIN, SWEDEN, THE NETHERLANDS, AND UNITED KINGDOM. FURTHER INFORMATION IS GIVEN IN MARADMIN MSG 200156ZNOV01.

EFFECTIVELY IMMEDIATELY, ALL ACTIVITIES SHIPPING ITEMS PACKAGED IN OR ON NON-MANUFACTURED WOOD PACKAGE MATERIAL (NMWPM) TO ANY EU COUNTRY MUST ASSURE THAT THESE ITEMS ARE PROPERLY CERTIFIED AND MARKED AS BEING PEST FREE PRIOR TO SHIPMENT. FOR THE AMMUNITION COMMUNITY, THIS INCLUDES ALL AMMO PACKAGED IN A WOODEN OR WIRE BOUND BOX ALONG WITH ALL WOODEN PALLETS, BATTENS, SPACERS, AND DUNNAGE. THIS DOES NOT APPLY TO SHIPMENTS WITHIN CONUS OR TO SHIPMENTS TO NON-EU COUNTRIES. IMPLEMENTATION GUIDELINES FOR LFORM AND MPS MATERIEL ARE DISCUSSED IN MARADMIN MSG 200156ZMAR02.

NMWPM IS DEFINED AS ALL WOOD, OTHER THAN THAT COMPRISED ENTIRELY OF WOOD-BASED PRODUCTS SUCH AS PLYWOOD, PARTICLE BOARD, ORIENTED STRAND BOARD, VENEER, CARDBOARD, WOOD WOOL, ETC., WHICH HAVE BEEN CREATED USING GLUE, HEAT AND PRESSURE OR A COMBINATION THEREOF. ITEMS CONSTRUCTED ENTIRELY OF MANUFACTURED WOOD PRODUCTS ARE NOT AFFECTED BY THE EU DECISION.

AMMO ITEMS ARE CONSTRUCTED ENTIRELY OF NMWPM, OR HAVE BRACING COMPONENTS, WHICH USE NMWPM.

IF NMWPM CONSTRUCTED OR PROCESSED FOR SHIPMENT AT A NAVY OR MARINE CORPS FACILITY DOES NOT ALREADY HAVE A MANUFACTURE'S OR A DEPARTMENT OF DEFENSE (DOD) PEST FREE QUALITY MARKING, IT MUST BE TESTED PRIOR TO SHIPMENT TO THE EU. THE MANUFACTURE'S QUALITY MARK WILL HAVE A CIRCLED BUG WITH A DIAGONAL LINE THROUGH IT, ALONG WITH A COMPANY TRADEMARK, MILL IDENTIFICATION CODE, COUNTRY CODE, AND THE LETTERS HT OR HTC/NHTNC. THE TWO DOD

CERTIFIED PEST FREE MARKINGS ARE "USA DOD CERTIFIED PEST FREE - DODAAC" AND "USA DOD NC DODAAC", WHERE DODAAC IS THE ACTIVITY'S RUC THAT PERFORMED THE CERTIFICATION. THESE DOD MARKINGS WILL BE APPLIED AS DESCRIBED IN PARAGRAPH 6 OF THIS AIN.

UPON PASSING A TEST AND INSPECTION, DOD INSPECTED NMWPM WILL BE MARKED (STENCILED OR STAMPED) AS NOTED BELOW USING ANY OPAQUE,

NON-FADING, FAST DRYING, WEATHER RESISTANT STENCIL INK, LACQUER, PAINT, OR ENAMEL. STENCIL MAY BE IN BLOCK FORMAT. COLOR WILL BE THE SAME AS USED FOR THE IDENTIFICATION MARKINGS. MARKINGS CANNOT BE HANDWRITTEN, MUST BE STENCILED. ON A CONTAINER, THE MARKINGS WILL BE READABLE AND PLACED ON THE IDENTIFICATION SIDE OF THE CONTAINER IN CAPITAL LETTERS OF EQUAL HEIGHT AND PROPORTIONATE IN SIZE TO THE CONTAINER MARKINGS' OTHER THAN THE TOP OR BOTTOM. ON A PALLET, MARKINGS WILL BE ON TWO OPPOSITE SIDES ON EITHER THE BLOCKS OR STRINGERS. BATTANS, SPACERS, AND DUNNAGE CONSTRUCTED WITH HT WOOD WHEN POSSIBLE WILL HAVE MARKINGS

VISIBLE. BATTANS, SPACERS AND DUNNAGE NOT HT WOOD WILL BE INSPECTED AND MARKED ACCORDINGLY. ACCOMPANYING DOCUMENTATION

MUST CLEARLY NOTE THAT CERTIFICATION WAS COMPLETED AND ITEMS MARKED PEST FREE.

- (A) NMWPM CONSTRUCTED USING ANY HEAT-TREATED (HT) COMPLIANT LUMBER WILL BE MARKED AS "USA DOD CERTIFIED PEST FREE - DODAAC".
- (B) NMWPM CONSTRUCTED USING ONLY NON-CONIFEROUS WOOD (HARDWOOD) WILL BE MARKED: "USA DOD NC DODAAC".
NOTE: MOST AMMUNITION PACKAGING DOES NOT EXCLUSIVELY USE HARDWOOD. HOWEVER, PER MIL-STD-1322, AMMUNITION PALLETS SHOULD ONLY BE CONSTRUCTED WITH HARDWOOD OR METAL. BEFORE SHIPMENT, NON-HARDWOOD OR METAL PALLETS MUST BE REPLACED.

ONLY CERTIFIED INSPECTORS ARE AUTHORIZED TO TEST AND INSPECT NMWPM FOR COMPLIANCE.

TRAINING AND CERTIFICATION

- (A) TRAINING IS AVAILABLE VIA WEB [HTTP://WWW.ICPTARP.NET/NMWP](http://WWW.ICPTARP.NET/NMWP) OR [HTTP://WWW.ICPTARP.NET/NEMATODE](http://WWW.ICPTARP.NET/NEMATODE). FOR THOSE ACTIVITIES THAT DO NOT HAVE ACCESS TO WEB BASE TRAINING AND CERTIFICATION, A CORRESPONDENCE COURSE FOR TRAINING AND CERTIFICATION WILL BE MADE AVAILABLE VIA CD OR A COMMAND SPONSORED PROGRAM. TRAINING GUIDELINES ARE DISCUSSED IN MARADMIN MSG 260156ZAUG02.
- (B) COMMANDERS OR THEIR DESIGNATED REPRESENTATIVE(S) WILL DESIGNATE PERSONNEL IN WRITING TO BE TRAINED AND CERTIFIED. THE COMMANDER WILL DETERMINE THE NUMBER OF CERTIFIED PERSONNEL NEEDED AT THEIR SITE.
- (C) CERTIFICATION IS A ONE-TIME EVENT AND SHALL BE RECORDED IN PERSONNEL RECORDS UPON COMPLETION OF THE COURSE.
- (D) A CERTIFICATE OF CERTIFICATION WILL BE ISSUED TO ALL PERSONNEL PASSING TRAINING WITH NO EXPIRATION DATE.

THE ABOVE REQUIREMENTS ARE CURRENTLY FOR SHIPMENTS GOING TO OR THROUGH ONE OF THE 15 EU COUNTRIES. RECORDS WILL BE MAINTAINED ONLY FOR SHIPMENTS DESTINED FOR ONE OF THE 15 EU COUNTRIES. THESE REQUIREMENTS ARE PROJECTED TO BE ADOPTED BY ALL COUNTRIES AND COMPLIANCE WILL BE WORLDWIDE STARTING APRIL 2003.

FOR FURTHER INFORMATION, CONTACT THE MARCORSYSCOM PM-AM ENVIRONMENTAL AND EXPLOSIVE SAFETY BRANCH AT DSN 378-3151 OR COM 703 432-3151 OR THE 2T COG AMMUNITION IN-SERVICE ENGINEERING AGENT AT DSN 482-5281 OR COM 812 854-5281.

AMMO INFO NOTICE 001-2003:

SUBJ: MINE ANTI- PERS, M18A1, NONBOUNDING, NONMETALIC (1345-K143)

THIS AIN SUPERSEDES NALC AIN 060-00 (DTG 191950Z SEP 00).

A FEW SUBJ MINES HAVE BEEN FOUND WITH A STICKY CASE. THIS CONDITION IS FROM DETERIORATION OF THE POLYSTYRENE CASE, BUT NO SAFETY HAZARD EXISTS UNLESS EXPLOSIVE IS EXPOSED.

IN THE EVENT EXPLOSIVES ARE FOUND, REPACKAGE AND RETURN MINE TO ISSUING ACTIVITY OR AMMUNITION SUPPLY POINT FOR DISPOSITION. AVOID ANY CONTACT WITH FIRE OR SPARK, AS C-4 BURNS READILY. C-4 IS POISONOUS, WASH HANDS AFTER HANDLING.

MARINE CORPS AND NAVY ASSETS LOCATED AT ARMY STORAGE SITES CONSIDERED AS WHOLESALE STOCKS SHALL NOT BE TRANSFERRED TO CONDITION CODE E, OR BE RESTRICTED FROM SHIPMENT SOLELY BASED ON INSPECTION GUIDANCE OF SB 742-1, APPENDIX D-17, PARAGRAPH B (DETERIORATION OF PLASTIC CASES W/O EXPOSED EXPLOSIVES).

AMMO INFO NOTICE 004-2003:

SUBJ: CARTRIDGE, 76MM (1315-C058,C059,C060,C061,C062,C063,C066,C097,C112,C113, C115,C116,C118)

THIS AIN IS TO INFORM USERS OF 76 MM AMMUNITION THAT IN RARE INSTANCES A TANKED ROUND MAY CONTAIN GRIT BLAST MATERIAL. THIS MATERIAL IS NOT HAZARDOUS BUT MAY PREVENT THE ROUND FROM EASILY BEING REMOVED FROM THE TANK. UNITS REPORTING THIS PROBLEM HAVE EXPRESSED CONCERN THAT THIS MATERIAL MAY BE LOOSE PROPELLANT THAT HAS ESCAPED FROM THE CARTRIDGE. THE CARTRIDGE IS PACKAGED SO THAT IT IS PRACTICALLY IMPOSSIBLE FOR PROPELLANT TO ESCAPE THE CARTRIDGE. IT REQUIRES SEVERAL THOUSAND POUNDS FORCE TO REMOVE PROJECTILE FROM CARTRIDGE CASE. HOWEVER, THE GRIT MEDIUM MAY PREVENT THE ROUND FROM BEING EASILY REMOVED FROM THE TANK.

IF A ROUND IS DIFFICULT TO REMOVE FROM ITS TANK, DO NOT ATTEMPT TO REMOVE THE ROUND BY FORCE. LEAVE THE ROUND IN THE TANK, LOCALLY RECLASSIFY TO CONDITION CODE HOTEL AND USE CONDITION DEFECT CODE HAAZ5X.

AMMO INFO NOTICE 005-2003:

SUBJ: CLARIFICATION TO COND CODE NOVEMBER NARS (1340-J147, 2W04,2W05)

NALC J147/2W04/2W05 MK 66 MOD 2 ROCKET MOTORS HAVE BEEN PLACED INTO CONDITION CODE NOVEMBER BECAUSE OF THE POSSIBILITY THAT A STABILIZING ROD ASSEMBLY (SRA) EJECTION MAY OCCUR AFTER ROCKET MOTOR IGNITION. THE SRA IS AN HOLLOW, STEEL, 0.2 INCH DIAMETER TUBE WEIGHING 0.2 LB AND 39 INCHES IN LENGTH.

PRIMARY SAFETY CONCERN:

- (A). SRA MAY PENETRATE THE WINDSHIELD/CANOPY.
- (B). SRA MAY ENTER THE ENGINE.

SECONDARY SAFETY CONCERNS:

- (A). SRA MAY HIT GROUND TROOPS IN OPERATIONS OVER FRIENDLY TROOPS, HOWEVER NORMAL PROTECTIVE COMBAT GEAR SHOULD PREVENT ANY INJURIES.
- (B). SRA MAY HIT ANOTHER AIRCRAFT FLYING BEHIND THE LAUNCH AIRCRAFT.
- (C). EJECTED SRA MAY CAUSE A MOTOR BLOW, THIS IS MORE LIKELY AT HOTTER AIR TEMPERATURES.

SRA EJECTION CATASTROPHIC RISK AT 150 F:

- (A). AH-1W 1/425,532
- (B). UH-1N 1/214,133
- (C). AV-8B 1/217,865
- (D). F/A-18 MUCH LESS THAN 1/1,000,000

RISKS DECREASE WITH LOWER FIRING TEMPERATURES AND AT 67 F THE RISKS ARE APPROXIMATELY 9 TIMES LOWER.

RISK MITIGATION PROCEDURES:

- (A). NO OTHER AIRCRAFT DIRECTLY BEHIND THE LAUNCH AIRCRAFT.
- (B). USE OUTBOARD VERSUS INBOARD STATIONS.
- (C). USE HOVER LAUNCH VERSUS FORWARD SPEED LAUNCH.
- (D). HELICOPTER AIRCREW SHOULD WEAR AVIATION BODY ARMOR.
- (E). WHEN POSSIBLE, AVOID FIRING IN HOTTER AIR TEMPERATURES.

AMMO INFO NOTICE 006-2003:

SUBJ: FUZE MK399 MOD 1 SAFETY AND USAGE ISSUES FOR MILITARY OPERATIONS URBAN TERRAIN - MOUT (1390-N659)

THIS AIN APPLIES TO MARINE CORPS ONLY.

REQUEST WIDEST DISSEMINATION OF THIS INFORMATION TO ARTILLERY UNITS.

FM 3-06-11, FM 3-09.50, FM 3-06 AND FM 3-09.4 WILL BE AMENDED TO INCLUDE THE FOLLOWING:

- (A) IF A PROJECTILE FIRED WITH A MK 399 MOD 1 FUZE IMPACTS A SUBSTANTIAL OBJECT (EITHER INTENTIONALLY OR UNINTENTIONALLY) A HIGH ORDER EXPLOSIVE FUNCTION

MAY RESULT EVEN WHEN THE OBJECT IS LOCATED INSIDE THE 400 CALIBER MINIMUM ARMING DISTANCE FROM THE WEAPON (203 FEET FOR 155 MM WEAPON SYSTEMS) FM 6-50, CHAPTER 6 CLEARLY OUTLINES A VERY DELIBERATE AND NECESSARY PROCESS REQUIRED TO DETERMINE THE MINIMUM QUADRANT ELEVATION TO SAFELY FIRE THE HOWITZERS. FIELD ARTILLERY UNITS MUST FOLLOW THOSE PROCEDURES TO INSURE TARGETS AREN'T ENGAGED (EITHER IN THE INDIRECT OR DIRECT FIRE MODE) BEFORE THE ROUND HAS REACHED THE 400 CALIBER MINIMUM ARMING DISTANCE FROM THE WEAPON.

TM 9-1025-211-10 WILL BE AMENDED TO INCLUDE THE FOLLOWING:

(A) MK 399 MOD 1 SUMMARY MATRIX OF EXPECTED PERFORMANCE AGAINST MOUT TARGETS

WOOD FRAME

OBLIQUITY ANGLE	0	30	45	60
155 MM M107/M795 LOW ZONE	M1	M1	M1	M1
155 MM M107/M795 MID ZONE	G	G	G	G
155 MM M107/M795 HIGH ZONE	G	G	G	G
155MM M549/A1	G	G	G	G

SINGLE BRICK

OBLIQUITY ANGLE	0	30	45	60
155 MM M107/M795 LOW ZONE	G	G	G	G
155 MM M107/M795 MID ZONE	G	G	G	G
155 MM M107/M795 HIGH ZONE	G	G	G	G
155MM M549/A1	P1	P1	P1	P1

TRIPLE BRICK

OBLIQUITY ANGLE	0	30	45	60
155 MM M107/M795 LOW ZONE	G	G	M3	M3
155 MM M107/M795 MID ZONE	G	G	M3	M3
155 MM M107/M795 HIGH ZONE	M2	M2	G	G
155MM M549/A1	P1	P1	P1	P1

REINFORCED CONCRETE

OBLIQUITY ANGLE	0	30	45	60
155 MM M107/M795 LOW ZONE	G	G	M3	M3
155 MM M107/M795 MID ZONE	G	G	M3	M3
155 MM M107/M795 HIGH ZONE	M2	M2	G	G
155MM M549/A1	P1	P1	P1	P1

G = GOOD

M = MARGINAL

P = POOR, NOT RECOMMENDED

NOTES:

M1 - FOR LIGHTER WOOD FRAME CONSTRUCTION, AT LOW ZONE, INSUFFICIENT IMPACT FORCE MAY RESULT IN DUDS.

M2 - PERPENDICULAR AND NEAR PERPENDICULAR IMPACTS AGAINST HARDER TARGETS AT HIGH ZONE CAN RESULT IN FUNCTIONS ON THE WALL BEFORE PENETRATION.

M3 - AT LOW AND MID ZONES IMPACT ANGLES AT AND BEYOND 45 DEGREES CAN RESULT IN DUDS.

P1 - RAP ROUNDS NOT RECOMMENDED AGAINST MOUT TARGETS, PROJECTILE MAY BREAK-UP UPON IMPACT.

ALWAYS BE PREPARED TO USE MULTIPLE ROUNDS TO DEFEAT TARGETS. OBLIQUITY ANGLE OF ZERO DEGREES = PERPENDICULAR TO TARGET WALL.

(B) MK399 MOD 1 FUZES SET IN THE DELAY MODE PERFORMS

MORE EFFECTIVELY IF THE ANGLE OF ATTACK (THE ANGLE BETWEEN THE ROUND AND THE PERPENDICULAR OF THE TARGET) IS LESS THAN 45 DEGREES. ANGLES OF ATTACK HIGHER THAN 45 DEGREES WILL RESULT IN DECREASED EFFECTIVENESS AND INCREASE THE LIKELIHOOD OF UNEXPLODED ORDNANCE IN THE BATTLEFIELD.

(C) M549/M549A1 PROJECTILE MAY BREAK-UP UPON IMPACT WITH URBAN STRUCTURES AND BUNKERS RENDERING IT AN INEFFECTIVE PENETRATOR OF THESE TARGETS. (CHANGE 9 OF TM 43-0001-28 DOES NOT SHOW THESE AS COMPATIBLE PROJECTILES, HOWEVER THIS WILL BE UPDATED IN THE NEXT UPDATE.)

AMMO INFO NOTICE 007-2003:

SUBJ: PREMATURE DETONATIONS OF LINEAR DEMOLITION CHARGES (1375-M913,ML25)

THIS AIN SUPERSEDES NALC AIN 038-02 (DTG 121215Z JUN 02).

REQUEST THIS INFORMATION BE PASSED TO ALL PERSONNEL THAT ARE RESPONSIBLE FOR INSPECTING OR USING SUBJECT ITEM AND SUPPORTING EOD UNITS.

THE MARINE CORPS HAS EXPERIENCED PREMATURE DETONATIONS IN BOTH THE M58 AND M59 SERIES LINEAR DEMOLITION CHARGES. HISTORY SHOWS THAT BOTH THE M58 AND M59 SERIES LINEAR DEMOLITION CHARGES WITH THE M1134A1E1/A2/A3 FUZES ARE SUSCEPTIBLE TO DETONATION BY STATIC ELECTRICITY. ONCE THE M1134A1E1/A2/A3 SERIES FUZE IS ARMED, AN ELECTROSTATIC DISCHARGE MAY CAUSE THE DETONATORS IN THE FUZE TO FUNCTION. THIS CAN OCCUR WHEN THE LINEAR DEMOLITION CHARGE IS AIRBORNE OR FULLY DEPLOYED AND LAYING ON THE GROUND. UNITS UTILIZING LINEAR DEMOLITION CHARGES MUST FOLLOW ALL SAFETY AND OPERATIONAL

PROCEDURES IN MARINE CORPS TM 08982A-14&P/2B FOR THE M58 SERIES LINEAR CHARGE OR MARINE CORPS TM 09962A-13&P/2 FOR THE M59 SERIES LINEAR CHARGE.

A NEW FUZE, THE M1134A4, HAS BEEN DESIGNED TO ELIMINATE THE PREMATURE DETONATION PHENOMENON.

THIS NEW FUZE IS IN PRODUCTION AND WILL BE INSTALLED/FIELDED IN M913 NSNS 1375-01-471-6793 AND 1375-01-326-9642 AND ML25 NSNS 1375-01-471-6811 AND 1375-01-5194.

AS PER NARS 0184-03 AND 0185-03, LINEAR DEMOLITION CHARGES WITH THE M1134A1E1/A2/A3 FUZES CAN ONLY BE USED FOR COMBAT. ONLY LINEAR DEMOLITION CHARGES WITH THE M1134A4 FUZE CAN BE USED FOR TRAINING EXCEPT AS NOTED IN PARA 6 BELOW.

IN ORDER TO SUPPORT FORWARD DEPLOYED FORCES WHERE THE M1134A4

FUZE IS NOT AVAILABLE, FORCES MAY TRAIN WITH LINEAR DEMOLITION CHARGES USING THE M1134A1E1/A2/A3. ALL EXPENDITURES OF LINEAR DEMOLITION CHARGES WITH THE M1134A1E1/A2/A3 FUZE WILL BE REPORTED TO PM-AMMO MARCORSYSCOM TEN WORKING DAYS AFTER TRAINING.

POINT OF CONTACT AT PM-AMMO, MARCORSYSCOM IS CAPTAIN A. W. LILLER AT COMM (703)432-3110, DSN 378-3110, LILLERAW@MCSC.USCM.MIL OR GYSGT WILLIAMS AT COMM (703) 432-3109, DSN 378-3109, WILLIAMSTM@MCSC.USMC.MIL.

AMMO INFO NOTICE 008-2003:

SUBJ: 12 GAUGE DOOR BREACHING CARTRIDGE, MK 246 MOD 0 (1305-A024)

THIS AIN APPLIES TO NAVY STOCK ONLY.

THE TIV STRATA OF DODIC A024, CARTRIDGES, 12-GAUGE DOOR BREACHING ARE SUBJECT TO CHAMBERING MALFUNCTIONS IN 12-GAUGE SHOTGUNS RESULTING IN WEAPON JAMS. A FORMAL TECHNICAL INVESTIGATION, SAMC 1999-0010, DETERMINED

THAT THE CHAMBERING PROBLEMS ARE CAUSED BY OVERSIZED CASE MOUTH DIAMETERS OF THE CARTRIDGES. DODIC A024 LOT NUMBER TIV96H001-014A HAS BEEN SCREENED TO ENSURE CARTRIDGES MEET DIMENSIONAL REQUIREMENTS NECESSARY FOR RELIABLE FUNCTIONING IN NAVY WEAPONS. CARTRIDGES HAVE BEEN PLACED IN CONDITION CODE NOVEMBER FOR CONTINGENCY PURPOSES. COMNAVSPECWARCOM/N43/ WILL AUTHORIZE USE OF THESE CARTRIDGES ON A CASE BY CASE BASIS.

AMMO INFO NOTICE 009-2003:

COMNAVSPECWARCOM/N43/ POC IS MR. FRANK PALMA,
PHONE DSN 577-0930, COMM (619) 437-0930.

SUBJ: ROCKET, HIGH EXPLOSIVE, 66MM, M72A5 LAW (1340-H557)

THE PURPOSE OF THIS AIN IS TO PROVIDE GUIDANCE REGARDING NAR 0137-03 WHICH AFFECTS ALL STOCKS OF DODIC H557 (ROCKET, HIGH EXPLOSIVE, 66MM, M72A5 (LAW)) NSN 1340-01-429-4632.

NAR 0137-03 HAS CAUSED SOME CONFUSION. THE INTENT OF THE NAR IS TO IDENTIFY THESE ASSETS FOR PRIORITY OF ISSUE SO THAT THE EXPEDITIOUS EXPENDITURE OF THESE ASSETS THROUGH NORMAL CONUS TRAINING EXERCISES WILL OCCUR. ALL CONUS NAVAL SPECIAL WARFARE "QT" TRAINING REQUISITIONS SHOULD BE FILLED WITH THIS NSN FIRST TO DEplete THE INVENTORY. AFLOAT ASSETS SHOULD BE OFF-LOADED AT THE EARLIEST OPPORTUNITY, PREFERABLY AT A CONUS LOCATION. QUESTIONS REGARDING USAGE AND DISTRIBUTION OF THESE ITEMS SHOULD BE DIRECTED TO COMNAVSPECWARCOM/N43/, MR. FRANK PALMA, DSN 577-0930 OR COM (619) 437-0930.

AMMO INFO NOTICE 010-2003:

SUBJ: POTENTIAL HAZARD THAT EXISTS WHEN USING THE HELLFIRE AGM-114M BLAST FRAGMENTATION WARHEAD (1410-WF15)

THIS AIN IS PROVIDED TO INFORM THE USER COMMUNITY OF A REMOTELY POTENTIAL HAZARD WITH THE HELLFIRE II AGM-114M BLAST FRAGMENTATION WARHEAD MISSILE. THE WEAPON SYSTEM EXPLOSIVES SAFETY REVIEW BOARD (WSESRB) RECOMMENDED A CHANGE TO THE CURRENT DESIGN OF THE WARHEAD TO PREVENT A POTENTIAL UNSEALED PINCH POINT.

EXTENSIVE TESTING AND ANALYSIS HAS BEEN CONDUCTED AS SHOWN BELOW. THE WSESRB CONCURS THAT THE PROGRAM OFFICE CONDUCTED A REASONABLE ASSESSMENT OF THE RESIDUAL RISK ASSOCIATED WITH THE METAL-TO-METAL PINCH POINTS HAZARD AND THAT THE PROBABILITY OF WARHEAD INITIATION DUE TO WARHEAD EXPLOSIVE MIGRATING INTO THE POTENTIAL PINCH POINTS IS REMOTE. TESTING AND ANALYSIS RESULTS:

- (1) 40,000 G'S WOULD BE REQUIRED TO CLOSE THE MAXIMUM FUZE WELL/AFT GAP.
- (2) NO REACTION IN THE 40-FOOT DROP TEST. THE METAL-TO-METAL PINCH POINTS BETWEEN THE FUZE WELL AND AFT CLOSURE WERE "PACKED" WITH CLASS 5 RDX, VICE LESS SENSITIVE PBXN-109, AS PART OF THIS TEST.
- (3) NO REACTION IN THE BURN PROPAGATION TEST UNTIL THE DONOR IN THE TEST FIXTURE WAS "PACKED" WITH 24 TIMES THE MAXIMUM AMOUNT OF ENERGETIC MATERIAL THAT COULD FIT IN THE POTENTIAL METAL-TO-METAL PINCH POINTS.

FUTURE MISSILES WILL BE MANUFACTURED IN ACCORDANCE WITH NAVY MUNITIONS DOCUMENT 212 (NMD-212) AND WILL NOT HAVE THIS POTENTIAL PINCH POINT ISSUE.

WEAPONS WITH THIS EARLIER DESIGN ARE DESIGNATED CC BRAVO TO ENSURE THEY WILL BE ISSUED PRIOR TO OTHER SERVICEABLE STOCKS.

AMMO INFO NOTICE 012-2003:

SUBJ: INCREASED DUD RATE IN 60MM AND 81MM CARTRIDGES USING POINT DETONATING M935, M936, AND M567 FUZES (1310-B630,B643)(1315

-C256,C276,C869)

THIS AIN SUPERSEDES IMSD AIN 009-98 (DTG 301935Z APR 98).

THIS AIN SHOULD BE DISSEMINATED TO ALL 60MM AND 81MM USERS.
THIS AIN APPLIES TO AMMUNITION LOTS MANUFACTURED PRIOR
TO 1994 FOR DODICS B630, B643, C869, C256, AND C276
(WITH M935, M936, OR M567 PD FUZE ONLY).

ON AVERAGE, THE MAJORITY OF LOTS MANUFACTURED PRIOR
TO 1994 EXHIBIT ADEQUATE PERFORMANCE WHEN FIRED AT
TEMPERATURES ABOVE +20 DEGREES FAHRENHEIT. HOWEVER, RECENT
STOCKPILE TESTING HAS IDENTIFIED AGE DEGRADATION OF
THE FUZE. DUE TO THIS DEGRADATION, HIGH FUZE FAILURE
RATES HAVE PERIODICALLY OCCURRED AT +70 DEGREES FAHRENHEIT.
ALL DUDS SHOULD BE REPORTED IN ACCORDANCE WITH MCO 8025.1
FOR MARINE CORPS AND OPNAVINST 5102.1 (LATEST REVISION)
FOR NAVY.

MODIFICATION TO IMPROVE RELIABILITY FOR ALL PD FUZES WAS
IMPLEMENTED IN AUGUST 1992 AND BEGAN APPEARING ON LOTS
MANUFACTURED DURING 1994 FOR MOST 60MM AND 81MM MORTARS
MORTAR LOTS THAT USE THE M935, M936, OR M567 PD FUZE.

AMMO INFO NOTICE 013-2003:

SUBJ: VISUAL INSPECTION FOR POSITIVE IDENTIFICATION OF INNER
PACK OF 5.56MM, BLANK M200 FOR 5.56MM, BALL M855 (1305-A075,A080)
(1305-A059)

THIS AIN APPLIES TO US MARINE CORPS ONLY.

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL UNITS
USING CARTRIDGE 5.56MM BLANK M200 (A075,A080).

IT IS IMPERATIVE THAT ALL PERSONNEL ARE AWARE OF THE
POSSIBILITY THAT LIVE ROUNDS MAY BE PACKAGED WITHIN PROPERLY
MARKED BLANK WIREBOUND WOODEN CONTAINERS.

AT A RECENT TRAINING EVOLUTION AT FORT POLK, TWO M2A1 CANS
OF 5.56MM BALL M855 WERE DISCOVERED INSIDE A WOODEN WIREBOUND
CONTAINER MARKED AS A080 M200 BLANK. PRIOR TO FIRING, USERS
SHOULD INSPECT THE PACKAGING AND CONTENTS OF ALL M200 BLANK
AMMUNITION (1305-A075, A080) WITH A LOT NUMBER AFTER
LC-02E OR MANUFACTURED AFTER MAY OF 2002. IF LIVE ROUNDS ARE
FOUND PACKAGED INSIDE BLANK CONTAINERS, CONTACT
MARCORSYSCOM (SABOT) AT (703) 432-3109 OR DSN 378-3109.

AMMO INFO NOTICE 015-2003:

SUBJ: ACCESSORIES FOR FMU-139 (1325-BWHC)

BWHC CONSIST OF : 1 FZU-61/B LANYARD, 1 POWER CABLE,
AND 1 FZU-48/B FUZE INITIATOR, PACKAGED 18 EACH (BWHC) IN A M548
CONTAINER. USED FOR THE FMU-139B/B FUZE AND THE DSU-33 PROXIMITY
SENSOR APPLICATIONS.

SERVICE LIFE OF THE FZU-48/B BEGINS WHEN THE UNIT IS INSTALLED
IN A WEAPONS SYSTEM. FZU-48/B S THAT HAVE BEEN INSTALLED SHALL
BE SEGREGATED FROM UNITS THAT HAVE NOT BEEN INSTALLED.

ONCE THE CONTAINER IS OPENED AND IF THE COMPONENTS ARE NOT
REMOVED IN EVEN SETS, THE ODD ITEM MUST BE REPORTED BY THEIR
INDIVIDUAL NALC S. THIS IS REQUIRED TO KEEP THE CONTAINER IN
EVEN SETS OF THE THREE COMPONENTS.

INDIVIDUAL COMPONENTS NALC'S ARE:

FZU-61/B LANYARD (BWAH)

FZU-48/B FUZE INITIATOR (HY81)

POWER CABLE (PY95)

AMMO INFO NOTICE 016-2003:

SUBJ: SAFETY OF USE FOR IGNITER, TIME BLASTING FUSE, M81, WITH
SHOCKTUBE CAPABILITY AND IGNITER, TIME BLASTING FUSE, M60 (1375-MN08,
M766)

THIS AIN IS TO BE ISSUED TO ALL UNITS AND PERSONNEL
THAT USE THE M81 AND M60 FUSE IGNITERS.

ENSURE THAT PERSONNEL ARE AWARE OF THE FOLLOWING
OPERATIONAL-SAFETY-OF-USE ISSUES REGARDING THE M81 AND M60

FUSE IGNITERS.

- (A). ON OCCASION, THE HOUSING OF THESE IGNITERS MAY FRACTURE OR RUPTURE WHEN THE IGNITER IS FUNCTIONED. IT IS POSSIBLE THAT SUCH FRACTURING MAY CAUSE INJURY TO THE HAND HOLDING THE DEVICE. ADDITIONALLY, FRAGMENTS FROM A RUPTURED IGNITER COULD STRIKE THE FACE AND EYES.
- (B). PERSONNEL USING THESE IGNITERS SHOULD WEAR A LEATHER GLOVE ON THE HAND HOLDING THE IGNITER AND AVERT THEIR FACE AND EYES FROM THE IGNITER DURING FUNCTIONING.

AMMO INFO NOTICE 017-2003:

SUBJ: CLEANING OF MK 300 SERIES AUXILIARY DETONATING FUZES FOR FLEET USE(1320- D312,D313,D354)

THIS AIN SUPERSEDES NALC AIN 039-00 (DTG 132217Z JUL 00).

ALL ROUNDS CONTAINING A MK 300 SERIES AUXILIARY DETONATING FUZE (ADF) IN COMBINATION WITH A MECHANICAL TIME FUZE (MTF) MUST HAVE ALL EXCESS PAINT, THAT MIGHT BE SCRAPED OFF BY THE FUZE SETTER, REMOVED FROM THE ALUMINUM BODY OF THE ADF PRIOR TO USING AN AUTOMATIC FUZE SETTER. THE PAINT MAY BE REMOVED USING A WIRE BRUSH, EMERY CLOTH OR OTHER SUITABLE MEANS. THESE ROUNDS MAY BE SET BY HAND IF PAINT REMOVAL IS NOT POSSIBLE OR PRACTICAL.

ALSO, THE FUZE SETTER SHALL BE PERIODICALLY CLEANED TO ASSURE THAT PAINT HAS NOT ACCUMULATED TO THE POINT THAT THE FUZE SETTER WILL MALFUNCTION AND CAUSE A GUN MOUNT SHUT DOWN.

ISSUING ACTIVITIES WILL PERFORM THIS MAINTENANCE ONLY WHEN THE ROUND IS DOWNGRADED FOR OTHER REASONS. OTHERWISE, THIS AIN PERTAINS TO THE FLEET FOR ACTION.

THE FOLLOWING DODICS AND NSNS ARE AFFECTED:

D312 1320-00-262-3040
D313 1320-00-504-2621
D354 1320-01-096-9465

AMMO INFO NOTICE 019-2003:

SUBJ: ANTI- PERSONNEL OBSTACLE BREACHING SYSTEM -APOBS- INITIATOR DISPOSAL (1375-MN79)

REQUEST THAT THIS AIN BE FURNISHED TO ALL UNITS AND PERSONNEL THAT USE APOBS.

WHEN FIRING THE APOBS IN THE DELAY MODE, THE MK 19 MOD 0 ELECTRIC SQUIB IS NOT USED. THE LOCAL ASP SHOULD NOT ACCEPT THE UNUSED SQUIB FOR STORAGE. THE SQUIB MUST BE DESTROYED. THE FOLLOWING STEPS OUTLINE THE PROCEDURE FOR SAFELY DESTROYING THE SQUIB AND CAN BE FOUND IN PARAGRAPH 2.10.F. OF THE MARINE CORPS TM 013750-13 AND A/P OPERATORS, UNIT AND DIRECT SUPPORT MAN FOR DEMOLITION KIT, BREACHING SYSTEM, ANTI-PERSONNEL OBSTACLE (APOBS).

WARNING:

IF THE SQUIB'S PROTECTIVE FOIL BAG IS NOT SEALED, IT IS NOT CONSIDERED HERO SAFE. ENSURE SQUIB IS POINTED AWAY FROM PERSONNEL AT ALL TIMES.

- (A) REMOVE THE SQUIB FROM ITS PROTECTIVE FOIL BAG. "DO NOT REMOVE THE BLAST GUARD".
- (B) OBTAIN AT LEAST TEN FEET OF FIRING WIRE THAT IS SHUNTED AT BOTH ENDS.
- (C) UNSHUNT ONE END OF THE FIRING WIRE AND CONNECT IT TO THE SQUIB USING A STANDARD TWIST TIE.
- (D) TAPE CONNECTION.
- (E) UNSHUNT THE OTHER END OF THE FIRING WIRE AND CONNECT IT TO A BLASTING MACHINE.
- (F) ENSURE THAT THERE IS A MINIMUM OF 10 FEET BETWEEN THE OPERATOR OF BLASTING MACHINE AND THE SQUIB.

ACTIVATE THE BLASTING MACHINE TO DESTROY THE SQUIB.
(G) ENSURE THE COMPLETE DESTRUCTION OF THE SQUIB. IN
THE EVENT THE SQUIB IS NOT COMPLETELY DESTROYED
CONTACT EOD.

WHEN FIRING THE APOBS IN THE COMMAND MODE, THE MECHANICAL
INITIATOR IS NOT USED. THE LOCAL ASP SHOULD NOT ACCEPT THE
UNUSED INITIATOR FOR STORAGE. THE INITIATOR MUST BE DESTROYED.
THE FOLLOWING STEPS OUTLINE THE PROCEDURE FOR SAFELY
DESTROYING

THE MECHANICAL INITIATOR AND CAN BE FOUND IN PARAGRAPH 2.13.H.
OF THE MARINE CORPS TM 013750-13 AND P/A OPERATORS, UNIT AND
DIRECT SUPPORT MAN FOR DEMOLITION KIT, BREACHING SYSTEM, ANTI-
PERSONNEL OBSTACLE (APOBS).

WARNING:

IF ACCIDENTAL REMOVAL OF THE ROCKETS DELAY CARTRIDGE
INITIATOR PULL RING OCCURS, TAKE COVER IMMEDIATELY.

ROCKET WILL FLY AFTER MINIMUM 15 SECOND DELAY.

DO NOT HANDLE OR INSTALL MECHANICAL INITIATOR UNLESS
SAFETY PIN AND FIRING PIN PULL RING ARE INSTALLED.

IF EITHER IS MISSING, RETURN APOBS TO ASP FOR DISPOSITION.

(A) OBTAIN THE MECHANICAL INITIATOR. "DO NOT REMOVE
THE BLAST GUARD".

(B) REMOVE ROCKET-FIRING SAFETY PIN.

(C) PULL FIRING PIN PULL RING SHARPLY TO ACTIVATE.

(D) USING A STANDARD GRENADE TOSS, THROW MECHANICAL
INITIATOR AWAY FROM PERSONNEL AND EQUIPMENT.

(E) A MINIMUM OF 15 SECONDS IS REQUIRED FOR THE
MECHANICAL INITIATOR TO FUNCTION.

(F) IF THE INITIATOR DOES NOT FUNCTION, CALL EOD FOR
DISPOSAL.

AMMO INFO NOTICE 020-2003:

SUBJ: PALLETIZATION OF FUZE, PROXIMITY, M732 (1390-N464)

THIS AIN SUPERSEDES NOC IMSD AIN 007-95 (DTG 011935Z DEC 94).

THIS AIN APPLIES TO US NAVY STOCK ONLY.

THE PURPOSE OF THIS AIN IS TO DISSEMINATE INFORMATION
PERTAINING TO ORIENTATION OF M732 FUZES (1390-N464).

REQUIREMENTS TO INVERT (TOP OF BOX ORIENTED DOWNWARD) ALL
M732 FUZE CONTAINERS FOR SHIPMENT AND STORAGE AND TO APPLY
MARKINGS TO WIREBOUND BOXES CONTAINING M732 FUZES WERE
INCORPORATED IN UNITIZATION DRAWING 19-48-4116-20PA1002/156G.

HOWEVER, RECENT INSPECTIONS INDICATE NOT ALL UNITS STORING M732
FUZES ARE AWARE OF OR FOLLOWING THESE REQUIREMENTS.

FOLLOWING IS A SUMMARY OF REQUIREMENTS FOR MARKING, STORING
AND UNITIZING M732 FUZE CONTAINERS:

(A) WIREBOUND BOXES CONTAINING M732 FUZES SHALL BE
MARKED WITH WORD (UP) AND AN ARROW INDICATING
BOTTOM OF BOX MUST BE UP.

(B) WIREBOUND BOXES CONTAINING M732 FUZES MUST BE
UNITIZED SO THAT BOTTOM OF BOXES ARE ORIENTED
UPWARD ON PALLET.

ABOVE REQUIREMENTS WERE ESTABLISHED TO ASSURE PROPER
ORIENTATION IN STORAGE AND TRANSPORT. SPECIAL ATTENTION TO
LIGHT BOXES IN STORAGE OR TRANSPORT MUST BE MADE TO VERIFY
COMPLIANCE WITH INTENTIONS OF FUZE INVERSION DIRECTIVES.

QUANTITIES OF ONE PALLET OR LESS PER LOT FOUND IN STORAGE
WITH INCORRECT ORIENTATION WILL BE GIVEN PRIORITY OF ISSUE
AND UTILIZED IN TRAINING. QUANTITIES EXCEEDING ONE STANDARD
PALLET OR MORE WILL BE REPORTED FOR DISPOSITION.

RECOMMEND LOCAL SOPS CONTAIN THE REQUIREMENTS OF
PARAGRAPHS 5 AND 6 ABOVE AND ENSURE COMPLIANCE BY ALL

PERSONNEL HANDLING, STORING OR TRANSPORTING M732 FUZES.

AMMO INFO NOTICE 022-2003:

SUBJ: OPERATIONAL SAFETY OF USE MESSAGE (SOUM) ELECTROSTATIC DISCHARGE (ESD) HAZARD TO SMAW ROCKETS FROM OPERATING HELICOPTERS

(1340-HX05, HX06, HX07)

RECENT TESTS CONDUCTED DURING DEVELOPMENT/FIELDING OF THE SHOULDER-LAUNCHED MULTIPURPOSE ASSAULT WEAPON (SMAW) NOVEL EXPLOSIVE (SMAW-NE) INDICATE A SMALL POSSIBILITY THAT ELECTRIC CURRENT INDUCED IN THE FIRING CIRCUIT BY ELECTROSTATIC DISCHARGE (ESD) COULD POTENTIALLY CAUSE THE ROCKET MOTOR IGNITER TO FIRE AND RESULT IN AN INADVERTENT LAUNCHING OF THE ROUND. TESTING INDICATES THAT THE ESD CREATED BY HELICOPTERS PROVIDES THE MOST POTENTIAL FOR INADVERTENT LAUNCH.

UNTIL SUCH TIME AS FURTHER TESTING CAN BE CONDUCTED AND A SOLUTION INCORPORATED INTO THE DESIGN, IF REQUIRED; ALL SMAW AMMUNITION DODICS, ARE RESTRICTED TO THE FOLLOWING CONFIGURATION DURING HELICOPTER OPERATIONS:

- (A) SMAW AMMUNITION SHALL NOT BE REMOVED FROM ITS ORIGINAL PACKAGING (FOAM CUSHIONING IN BARRIER BAG IN FIBERBOARD BOX) WHILE IN CLOSE PROXIMITY TO OPERATING HELICOPTERS. THIS CONFIGURATION PROTECTS THE ROCKETS FROM ESD. ROCKETS REMOVED FROM THE PACKAGING AND CARRIED IN THE COMBAT CONFIGURATION POSE THE GREATEST POTENTIAL RISK TO THE HELICOPTER, CREW AND SURROUNDING PERSONNEL.
- (B) ADDITIONAL TESTING AND EVALUATIONS PLANS ARE CURRENTLY IN WORK WITH FINAL RESULTS AND RECOMMENDATIONS EXPECTED NLT15APR03.

RECOMMEND MARINES BE ADVISED/TRAINED AS NOTED AT PARAGRAPH 3.A.

POC GARRY N. KLAUS PM-AMMO, APM MISSILES/
ROCKETS 703-432-3112 DSN 378-3112.

AMMO INFO NOTICE 023-2003:

SUBJ: REPLACEMENT OF MD66 BY THE MT95 (1377-MD66, MT95)

THIS AIN SUPERSEDES NALC AIN 048-02 (DTG 311950Z JUL 02).

THE MD66 CCU-44/B IMPULSE CARTRIDGE (ALL NSNS) HAS BEEN REPLACED BY THE MT95 CCU-107/B IMPULSE CARTRIDGE IN ALL APPLICATIONS EXCEPT THE AIR REFUELING STORE GUILLOTINE PART NUMBER 4000, THE SUU-25F/A FLARE DISPENSER, AND THE ERU-119 EJECTOR RELEASE UNIT. THE MT95 CCU-107/B IMPULSE CARTRIDGE HAS NOT BEEN APPROVED FOR SERVICE USE IN THESE APPLICATIONS. USE THE MD66 ONLY UNTIL A REPLACEMENT IS AUTHORIZED IN THE AIRCRAFT/EQUIPMENT LOADING/MAINTENANCE MANUALS. TRANSITION TO THE MT95 FOR EACH MD66 APPLICATION AS AUTHORIZED BY THE AIRCRAFT/EQUIPMENT LOADING/MAINTENANCE MANUALS.

CALCULATE EXPENDITURE REQUIREMENTS FOR THE MD66 SEPARATELY FROM THE MT95 WHEN PLANNING FOR NCEA.

APPLY THE LATEST SERVICE LIFE TO THE MD66 AND ADJUST EXPIRATION DATES/CONDITION/DEFECT CODES ACCORDINGLY. REFER TO THE NAVAIR 11-100-1.1CD FOR THE LATEST SERVICE LIFE.

AMMO INFO NOTICE 024-2003:

SUBJ: SIGNAL KIT, ILLUM, MK 79 AND MK 135 AND SIGNAL, HAND FIRED, MK 80 (1370-L118, L131, L258)

THIS AIN IS BEING TRANSMITTED TO HELP ELIMINATE CONFUSION WHEN NARS (NOTICE OF AMMUNITION RECLASSIFICATIONS) ARE ISSUED THAT AFFECT MK 80 SIGNALS CONTAINED IN THE MK 79 OR MK 135 SIGNAL KITS.

WHEN A NAR IS ISSUED FOR A MK 80 SIGNAL (L258), IF THE RESTRICTION IS TO BE APPLIED TO THE MK 79 (L118) AND MK 135 (L131) SIGNAL KIT, SEPARATE NARS WILL BE ISSUED FOR THOSE KITS.

AMMO INFO NOTICE 025-2003:

WHEN A NAR IS ISSUED FOR A MK 79 (L118) OR MK 135 (L131) SIGNAL KIT, IF THAT RESTRICTION ALSO APPLIES TO THE MK 80 (L258) SIGNAL, A SEPARATE NAR WILL BE ISSUED FOR THE SIGNAL.

IF A NAR IS ISSUED FOR THE SIGNAL AND NOT FOR THE KIT, THEN THE KIT IS NOT AFFECTED. IF A NAR IS ISSUED FOR THE KIT AND NOT THE SIGNAL, THEN THE SIGNAL IS NOT AFFECTED.

SUBJ: POTENTIAL HAZARD THAT EXISTS WHEN USING THE IR MAVERICK MISSILE (1410- PD63)

WARNING: AGM-65F IR MAVERICK MISSILES ARE EXHIBITING DEGRADED GUIDANCE RELIABILITY WHICH INCREASES THE RISK OF FRATRICIDE/COLLATERAL DAMAGE FOR PERSONNEL AND EQUIPMENT WITHIN THE WEAPON FOOTPRINT. MISSILE FAILURE MODE IS CHARACTERIZED AS NORMAL LAUNCH FOLLOWED BY GUIDANCE FAILURE AND IMPACTS ANYWHERE IN THE MISSILE FOOTPRINT (WELL SHORT OF TARGET). THIS MISSILE FAILURE MODE APPEARS TO OCCUR WHEN A CIRCUIT CARD DISLODGES IN THE GUIDANCE SECTION. LATER MISSILE DESIGNS INCLUDED IN A BACK PLATE TO RETAIN THE CARDS. AGM-65F IR MAVERICK MISSILES ARE SCHEDULED FOR DIVESTITURE IN 2004 AND WILL NOT BE RETROFITTED WITH THIS BACK PLATE. ALL NAVY/MARINE CORPS AGM-65F IR MAVERICK MISSILES LISTED IN NAR 0503-03 ARE AFFECTED. DEGRADED RELIABILITY OF THESE ASSETS POSE AN INCREASED RISK OF FRATRICIDE/COLLATERAL DAMAGE TO PERSONNEL AND EQUIPMENT LOCATED WITHIN THE WEAPON SAFETY/SPLASH FOOTPRINT. WEAPON SHOULD NOT BE EMPLOYED OVER OR CLOSE PROXIMITY OF FRIENDLY FORCES.

AMMO INFO NOTICE 026-2003:

SUBJ: CARTRIDGE, 81MM, RED PHOSPHOROUS (RP) SMOKE, M819 (1315-C870)

THIS AIN SUPERSEDES NALC AIN 036-02 (DTG 071530Z JUN 02).

REQUEST A COPY OF THIS AIN BE PROVIDED TO ALL INSTALLATIONS WITH AN AMMUNITION STORAGE OF 81MM M819 RP SMOKE CARTRIDGES (DODIC C870) AND TO UNITS USING 81MM M252 MORTAR SYSTEM. THIS AIN WILL BE UPDATED AS NEW INFORMATION BECOMES AVAILABLE.

DURING RECENT AMMUNITION STOCKPILE RELIABILITY PROGRAM TESTING, M819 RP SMOKE CARTRIDGES (DODIC C870) BEING TEMPERATURE CONDITIONED TO 145 DEGREES FAHRENHEIT AUTO-IGNITED IN THE CONDITIONING CHAMBER. AN INVESTIGATION IS ONGOING TO DETERMINE THE CAUSE(S) OF THE AUTO-IGNITION. IN THE INTERIM, A NAR HAS BEEN ISSUED RECLASSIFYING ALL MARINE CORPS C870 ASSETS TO CONDITION CODE "N". UNTIL ADDITIONAL INFORMATION IS GATHERED AND ANALYZED, THE SHIPMENT OF THESE CARTRIDGES WILL OCCUR ONLY WITH SPECIFIC AUTHORIZATION AND DIRECTION FROM MARCORSYSCOM (AM) AND SHOULD ONLY BE REQUESTED WHEN OPERATIONALLY NECESSARY.

DURING THE PRELIMINARY INVESTIGATION, INITIAL STUDIES INDICATE THAT PHOSPHINE GAS CAN BE GENERATED FROM THE DECOMPOSITION PROCESSES OF RED PHOSPHOROUS. PHOSPHINE GAS MAY BE PRESENT INSIDE THE FIBER TUBES, WOODEN BOXES OR AMMUNITION CANS. RECENT INVESTIGATIONS AT HAWTHORNE ARMY AMMUNITION PLANT AND CRANE ARMY AMMUNITION ACTIVITY SHOWED CONCENTRATIONS OF PHOSPHINE GAS INSIDE BOTH THE FIBER CONTAINERS AND PA157 METAL AMMUNITION CANS THAT EXCEEDED THE PERSONAL EXPOSURE LIMITS (PEL) ESTABLISHED BY THE OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA). THE PRESENCE OF PHOSPHINE WAS PARTICULARLY EVIDENT WHILE REMOVING THESE CARTRIDGES FROM BOTH THE METAL AND THE CARDBOARD CONTAINERS.

ALTHOUGH THERE HAVE BEEN NO REPORTS OF INJURY OR FATALITY, PHOSPHINE GAS CAN ESCAPE FROM PACKAGING AND BE

PRESENT WITHIN A CONFINED SPACE. THE CONCENTRATIONS AND EXPOSURE RISK ASSOCIATED WITH PHOSPHINE EXPOSURE INSIDE MAGAZINES, ISO CONTAINERS, OR OTHER ENCLOSED STORAGE ENVIRONMENTS WHICH CONTAIN C870 CARTRIDGES CONTINUES TO BE THE SUBJECT OF ONGOING INVESTIGATIONS. DATA GATHERED TO DATE INDICATES THAT THE PHOSPHINE DISSIPATES MORE RAPIDLY FROM FIBER CONTAINERS THAN IT DOES FROM METAL CANS AND THAT THE CONCENTRATION OF PHOSPHINE DROPS RAPIDLY IN WELL-VENTILATED AREAS. IN ORDER TO MINIMIZE POSSIBLE PHOSPHINE EXPOSURE, ALL MAGAZINES, ISO CONTAINERS, AND ENCLOSURES SHOULD BE VENTED FOR A MINIMUM OF 20 MINUTES PRIOR TO BEING ENTERED. THE M17-A1 AND M-40 CHEMICAL BIOLOGICAL PROTECTIVE MASK PROVIDES LIMITED USER PROTECTION AGAINST PHOSPHINE. EITHER THE M17-A1 OR M-40 CHEMICAL BIOLOGICAL PROTECTIVE MASK MUST BE DONNED WHEN INITIALLY OPENING CONTAINERS OF C870 CARTRIDGES.

PHOSPHINE IS A VERY TOXIC COLORLESS GAS WITH AN ODOR OF DECAYING FISH OR GARLIC. IT MAY BE FATAL IF INHALED AT HIGH CONCENTRATIONS OR AN IRRITANT WHEN ABSORBED THROUGH THE SKIN. INHALATION SYMPTOMS USUALLY APPEAR RAPIDLY AND INCLUDE FAINTNESS, HEADACHE, WEAKNESS, NAUSEA, DIARRHEA, COUGHING, THIRST, DIFFICULTY IN BREATHING, AND CONVULSIONS. IF SYMPTOMS ARE OBSERVED PERSONNEL EXPERIENCING THE SYMPTOMS SHOULD REPORT TO LOCAL MEDICAL FACILITY.

BASED ON THE TEST INCIDENT PREVIOUSLY CITED IN PARAGRAPH 4, ABOVE, PHOSPHINE GAS CAN AUTO-IGNITE UNDER CERTAIN CONDITIONS. TO MINIMIZE POTENTIAL DANGERS, ALL LOTS OF C870 CARTRIDGES SHOULD BE STORED IN EARTH COVERED MAGAZINES OR SPACES WHERE TEMPERATURES DO NOT EXCEED 100 DEGREES FAHRENHEIT. EXTREME CARE SHOULD BE TAKEN TO ASSURE CARTRIDGES ARE KEPT OUT OF DIRECT SUNLIGHT AND ADEQUATE VENTILATION IS MAINTAINED. IF POSSIBLE, C870 CARTRIDGES SHOULD BE SEGREGATED IN A WELL VENTILATED, COOL ENVIRONMENT. CARTRIDGES WILL NOT BE SUBJECTED TO STORAGE ABOVE 100 DEGREES FAHRENHEIT UNLESS REQUIRED BY OPERATIONAL NECESSITY.

IF C870 ASSETS MUST BE MOVED, LEATHER GLOVES SHOULD BE WORN AND HANDS MUST BE WASHED IMMEDIATELY AFTER THE OPERATION. EXCEPT IN WARTIME OR CONTINGENCY OPERATIONS, HANDLING AND MOVEMENT OF INDIVIDUAL METAL AMMUNITION CANS, BOXES AND CARTRIDGES IS NOT AUTHORIZED.

AS PREVIOUSLY STATED, INVESTIGATIONS INTO THE CAUSE(S) OF THE AUTO-IGNITION INCIDENT AND PHOSPHINE OUTGASSING CONTINUE. IN ADDITION, EFFORTS ARE BEING CONDUCTED TO ADD GAS ABSORBENT MATERIEL TO THE PACKAGING AND TO IDENTIFY A POTENTIAL RP REPLACEMENT MIX FOR THE EXISTING RP FILLER. EFFORTS ALSO CONTINUE ON WAYS AND MEANS TO MITIGATE RISKS TO PERSONNEL HANDLING, STORING AND USING THE C870 CARTRIDGES. ADDITIONAL INFORMATION WILL BE MADE AVAILABLE AS IT BECOMES KNOWN.

POC AT MARCORSYSCOM (AM) IS MR MIKE MILLER DSN 378-3154, COMM (703) 423-3154.

AMMO INFO NOTICE 027-2003:

SUBJ: EXPLAN- ATION FOR RESCISSION OF 20MM NARS (1305-AA22,AA24, AA28,A651, A659,A677,A678,A679,A890,A891)

NARS 0551-99 THRU 0555-99, 0559-99 THRU 0561-99,
NARS 0563-99 THRU 0565-99, 0569-99 THRU 0570-99,
NARS 0573-99 THRU 0575-99, 0579-99 THRU 0580-99 WERE
ESTABLISHED TO PRECLUDE USE
OF AMMUNITION POTENTIALLY DAMAGED DURING HANDLING, LOADING AND
FIRING OPERATIONS OF THE M61 GUN SYSTEM. RECENT TESTS AND

ENGINEERING ANALYSIS HAVE CONCLUDED THAT THE NORMAL HANDLING, LOADING AND FIRING OPERATIONS FOR NALCS AA22, AA24, AA28, A890, A891, A651 AND A659 ARE NOT DETRIMENTAL TO THE USE OF SUBJECT AMMUNITION AND ARE HEREBY RESCINDED. INSPECTION CRITERIA OUTLINED IN NA11-1-119 SHALL BE STRICTLY ADHERED TO IN DETERMINING THE SERVICEABILITY OF THESE NALCS.

NARS 0576-99 THRU 0578-99 PERTAINING TO NON FACTORY SEALED CANS ARE RESCINDED FOR NALCS A677, A678 AND A679.

HANDLING LOADING AND FIRING RESTRICTIONS

NARS 0556-99, 0557-99, 0567-99 THRU 0568-99.

SHALL REMAIN IN EFFECT FOR NALCS A677, A678 AND A679.

ALL STOCKS OF A679 THAT HAVE BEEN SUBJECTED TO THE GUN FIRING CYCLIC RATE SHALL BE PLACED IN CONDITION CODE FOXTROT IAW NAR 0525-03.

AMMO INFO NOTICE 028-2003:

SUBJ: PRIORITY OF ISSUE OF C-4 BLOCKS (1375-M023,M757)

THIS AIN APPLIES TO NAVY STOCKS ONLY.

THIS AIN SUPERSEDES NALC AIN 017-01 (DTG 201935Z DEC 00).

COMP C-4 BLOCKS CONTAINING CHEMICAL TAGS ARE NOW BEING FIELDIED. TO DIFFERENTIATE BETWEEN TAGGED AND UN-TAGGED STOCKS, THE FOLLOWING NEW NSNS WERE ASSIGNED TO C-4 BLOCKS CONTAINING CHEMICAL TAG:

1375-01-389-3854 M023

1375-01-398-0060 M757

ADDITIONALLY, A NUMBER OF THE NEW MANUFACTURED LOTS WERE RE-WORKED PRIOR TO FIELDING. THESE RE-WORKED LOTS HAVE LOT SUFFIX A APPLIED. FOLLOWING ARE THE CURRENT LOT NUMBERS OF C-4 BLOCKS (M023) THAT HAVE BEEN RE-WORKED. THESE LOTS HAVE BEEN ASSIGNED CC-C IAW NAR 0130-01:

MA-97A003-007A MA-97G006-001A MA-97J006-002A

MA-97K006-003A MA-97K006-004A MA-97M007-001A

MA-98A007-002A MA-98A007-003A MA-98B007-004A

THE FOLLOWING PRIORITIES APPLY WHEN ISSUING C-4 BLOCKS (M023 AND M757):

(A) FIRST - LOT NUMBERS OF M023 LISTED IN PARA 5.

(B) SECOND - UN-TAGGED LOTS (NSNS 1375-00-724-7040 M023 AND 1375-00-926-3985 M757).

(C) LAST - NEW MANUFACTURE (TAGGED LOTS, NSNS LISTED IN PARA 4).

NOTE: ISSUES TO FILL REQUESTS FOR BASIC LOAD/CONTINGENCY STOCKAGE WILL BE FILLED WITH CC-A, NEW MANUFACTURE MATERIEL, CONTAINING CHEMICAL TAG. AS SOON AS NEW

MATERIEL IS AVAILABLE ROTATE UN-TAGGED C-4 FROM BASIC LOAD/CONTINGENCY STOCKS AND REPLACE WITH THE NEW C-4.

AMMO INFO NOTICE 029-2003:

SUBJ: PRIORITY OF ISSUE OF C-4 BLOCKS (1375-M023,M757)

THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.

COMP C-4 BLOCKS CONTAINING CHEMICAL TAGS ARE NOW BEING FIELDIED. TO DIFFERENTIATE BETWEEN TAGGED AND UN-TAGGED STOCKS, THE FOLLOWING NEW NSNS WERE ASSIGNED TO C-4 BLOCKS CONTAINING CHEMICAL TAG:

1375-01-389-3854 M023

1375-01-398-0060 M757

ADDITIONALLY, A NUMBER OF THE NEW MANUFACTURED LOTS WERE REWORKED PRIOR TO FIELDING. THESE REWORKED LOTS HAVE LOT SUFFIX A APPLIED. FOLLOWING ARE THE CURRENT LOT NUMBERS OF C-4 BLOCKS (M023) THAT HAVE BEEN RE-WORKED. THESE LOTS HAVE BEEN ASSIGNED CONDITION CODE CHARLIE IAW

NARS 0529-03 AND 0530-03:

MA-95M001-002A MA-96H003-003A MA-96J003-004A

MA-97A003-007A MA-97G006-001A MA-97J006-002A
MA-97K006-003A MA-97K006-004A MA-97M007-001A
MA-98A007-002A MA-98A007-003A MA-98B007-004A
THE FOLLOWING PRIORITIES APPLY WHEN ISSUING C-4 BLOCKS
(M023 AND M757):

- (A) FIRST - LOT NUMBERS OF M023 LISTED IN PARA 4.
- (B) SECOND - UN-TAGGED LOTS (NSNS 1375-00-724-7040
M023 AND 1375-00-926-3985 M757).
- (C) LAST - NEW MANUFACTURE (TAGGED LOTS, NSNS LISTED
IN PARA 3).

NOTE: ISSUES TO FILL REQUESTS FOR BASIC LOAD/CONTINGENCY
STOCKAGE
WILL BE FILLED WITH CC-A, NEW MANUFACTURE MATERIEL, CONTAINING
CHEMICAL TAG. AS SOON AS NEW MATERIEL IS AVAILABLE ROTATE
UN-TAGGED C-4 FROM BASIC LOAD/CONTINGENCY STOCKS AND REPLACE
WITH THE NEW C-4.

AMMO INFO NOTICE 031-2003:

SUBJ: INFORMATION PERTAINING TO CCU-63-B,CCU-41-B,
CCU-136-A(1377-MF60,MF29,SS36)
THIS AIN SUPERSEDES NALC AIN 030-03 (DTG 241935Z APR 03).
THIS AIN DISSEMINATES INFORMATION PERTAINING TO THE
CU-41/B DODIC/NALC MF60, CCU-63/B DODIC/NALC MF29, CCU-136/A
DODIC/NALC SS36.
NOT FOR USE ON CG, DD, DDG, AND FFG SURFACE COMBATANTS.
THESE VESSELS DO NOT HAVE A DEDICATED/AUTHORIZED
ENVIRONMENTAL ASSEMBLY/DISASSEMBLY AREA FOR THE HERO
SUSCEPTIBLE CADS. THIS AIN DOES NOT AFFECT FORM, FIT OR
FUNCTION. SURFACE COMBATANTS CAN CONTINUE TO USE
EXISTING STOCKS PROVIDING THE REQUIREMENTS OF OP 3565
ARE MET. SURFACE COMBATANTS HOLDING THESE IMPULSE CARTRIDGES
SHALL IMMEDIATELY REQUISITION THE HERO SAFE CCU-136/A
DODIC/NALC WA83 PRIORITY 5 FOR REPLACEMENT OF EXISTING
MF29/MF60/SS36 INVENTORY.
SURFACE COMBATANTS SHALL REQUISITION SUFFICIENT QUANTITY OF
WA83 CARTRIDGES TO MEET OPERATIONAL NEEDS AND SHOULD OFFLOAD
EXISTING MF29, MF60 AND SS36 STOCK AT THE NEXT
OPPORTUNITY AFTER RECEIPT OF WA83 INVENTORY.

AMMO INFO NOTICE 032-2003:

SUBJ: FAILURE TO FIRE PROCEDURES, 120MM TANK TRAINING
CARTRIDGES M831A1 TP-T: C784, AND M865 TPCSDS-T: C785 (1315-C784,
C785)
REF CDR USAJMC ROCK ISLAND IL 212515Z FEB 03.
REQUEST THIS AIN BE PASSED TO ALL ORGANIZATIONS AND PERSONNEL
INVOLVED IN THE FIRING OF 120MM TANK TRAINING CARTRIDGES.
ACTION REQUIRED: WHEN FIRING THE M831A1 OR M865 CARTRIDGE
(LOT PRODUCTION DATES BETWEEN, AND TO INCLUDE, SEP 1998
(MHM98J708-001) TO OCT 2002 (ORI02K775-001)), AND EXPERIENCING A
FAILURE TO FIRE, YOU MUST FOLLOW THE FAILURE TO FIRE PROCEDURES
IN THE FM 3.20-12 TANK GUNNERY (ABRAMS), 1 OCT 2001.
REASON/PROBLEM: APPROXIMATELY 3% OF THE PRIMERS IN THE
M831A1 AND M865 CARTRIDGES MANUFACTURED FOR THE MARINE CORPS
AND THE ARMY HAVE A CONDITION THAT CAN CAUSE A HANGFIRE,
I.E. DELAYED FIRING. THE CONDITION IS INTERNAL TO THE PRIMER
AND IS CAUSED BY TWISTED PAPER BLOCKING THE IGNITION PATH. A
CARTRIDGE NORMALLY IGNITES AND THE PROJECTILE EXITS THE MUZZLE
WITHIN 20 MILLISECONDS (20/1000TH OF A SECOND) OF TRIGGER PULL.
WITH THE TWISTED PAPER CONDITION THE FIRING OF SOME CARTRIDGES
COULD BE DELAYED FOR UP TO 2-3 SECONDS OR LONGER.
THESE LOTS OF TRAINING AMMUNITION WILL NOT BE SUSPENDED AT
THIS TIME. RISK OF INJURY TO THE CREW IS UNLIKELY AS LONG AS THE
CREW FOLLOWS THE FAILURE TO FIRE PROCEDURES IN THE GUNNERY

MANUAL.

THE PURPOSE OF THIS AIN IS TO ASSURE, AS A RESULT OF THIS PRIMER CONDITION, THAT ALL TANK CREWS WAIT THE REQUIRED 15 MINUTES BEFORE PROCEEDING WITH CREW ACTIONS THAT WILL PLACE CREWMEN IN THE RECOIL PATH BY MOVING THE SAFE/ARMED HANDLE AND OPENING THE BREECH. CHANGES TO THE OPERATORS MANUALS FOR ALL ABRAMS VARIANTS WITH 120MM GUNS HAVE BEEN MADE TO ENSURE THE OPERATOR'S MANUALS ARE CONSISTENT WITH THE PROCEDURES IN THE GUNNERY MANUAL, BUT THESE CHANGES ARE NOT YET IN ALL MANUALS IN THE FIELD.

OPERATOR'S MANUALS WITHOUT THE LATEST CHANGE IMPLY THAT LOADERS MOVE THE SAFE/ARMED HANDLE PRIOR TO THE 15 MINUTE WAIT. SUBJ: TOW2B FIRING PROCEDURES (1410-PV18,PV82)

THIS AIN SUPERSEDES NALC AIN 024-02 (DTG 171935Z APR 02).

THIS AIN WILL BE ISSUED TO ALL END USERS OF TOW MISSILES.

TOW2B MISSILES ARE DESIGNED TO FLY ABOVE THE TARGET AND DETONATE TWO EXPLOSIVELY FORMED PENETRATOR WARHEADS DOWN INTO

THE TARGET. IF THE TOW2B MISSILE BODY IMPACTS THE TARGET, IT WILL FUNCTION THE WARHEADS, BUT OFTEN WITH DEGRADED LETHALITY.

WHEN FIRING TOW2B IN NORMAL CONDITIONS WHERE THERE IS A CLEAR VIEW OF THE TARGET, THE GUNNER SHOULD KEEP THE CROSS HAIR AT THE CENTER OF MASS OF THE TARGET. THE MISSILE IS DESIGNED TO FLY ABOVE THE CROSSHAIR.

IN EXTREME ENVIRONMENTS, SUCH AS EXTREME HEAT OR WIND, THERE IS DUST, SCINTILLATION, OR MIRAGE THAT MAKE THE CENTER OF MASS HARD TO DISCERN. DUE TO THE DIFFICULTY OF DISCERNING TARGET PROFILES IN EXTREME CONDITIONS, THE GUNNER MAY INADVERTENTLY HOLD THE CROSS HAIR BELOW

THE CENTER OF MASS OF THE TARGET CAUSING TOW2B MISSILES TO IMPACT THE TARGET. IN EXTREME MIRAGE/SCINTILLATION CONDITIONS ONLY, IN ORDER TO AVOID IMPACTING THE TARGET, THE GUNNER SHALL HOLD THE CROSS HAIR NEAR THE TOP EDGE OF, BUT NOT ABOVE, THE TARGET RATHER THAN AT THE CENTER OF MASS.

DURING TESTING BY THE MARINE CORPS, FLIGHT CHARACTERISTICS SHOWING A LOSS IN ELEVATION OF TOW2B MISSILES NEAR THE END OF FLIGHT WERE IDENTIFIED THAT COULD RESULT IN DEGRADED PERFORMANCE. A RANGE RESTRICTION IS HEREBY PLACED ON ALL TOW2B DODICS. THE MAXIMUM RANGE WHEN FIRING TOW2B MISSILES IN ALL WEATHER CONDITIONS IS 3400 METERS.

SUBJ: M795 AND M4A2-A1 ZONE 3 INCOMPATABILITY (1320-D529,D541)

REF CDR USAMAC ROCK ISLAND IL 182213Z MAR 03 (AIN 26-03).

THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.

THIS AIN WILL BE DISSEMINATED TO ALL ARTILLERY PERSONNEL AND UNITS.

STICKERS HAVE OCCURRED WHEN THE M795 HAS BEEN FIRED WITH THE M4A2/A1 ZONE 3 PROP CHARGE CONDITIONED AT APPROXIMATELY 60 DEGREES F AND LOWER. THIS WAS INITIALLY OBSERVED DURING PROVING GROUND FIRINGS AND HAS BEEN DUPLICATED IN RED TEAM TEST MATRIX FIRINGS.

SUCH STICKERS ARE NOT A RESULT OF A DEFECT IN THE M795 OR THE M4A2/A1 ZONE 3 (D541).

TO PRECLUDE ANY POSSIBILITY OF RECURRENCE, THE M795 WILL NOT BE FIRED WITH THE M4A2/A1 ZONE 3 PROP CHARGE IN THE M198 HOWITZER. INSTEAD FIRE THE M795 WITH THE M3A1 ZONE 3 (D540) PROPELLING CHARGE.

APPLICABLE MANUALS FOR THE M198 HOWITZER WILL BE UPDATED TO REFLECT THIS CHANGE.

AMMO INFO NOTICE 033-2003:

AMMO INFO NOTICE 034-2003:

AMMO INFO NOTICE 036-2003: SUBJ: REWORKED AN-SSQ-110A, NIIN 5845014217834 (5845-8W81)
THE SONOBUOY PROGRAM OFFICE IS REWORKING SOME AN/SSQ-110A (8W81) UNITS TO EXTEND USABLE SERVICE LIFE. THE REWORKED AN/SSQ-110A UNITS ARE STILL IDENTIFIED BY NALC 8W81 BUT HAVE LOT NUMBERS THAT CONTAIN A SUFFIX. THE LOTS REWORKED TO DATE HAVE LOT NUMBERS ITH98B096-005A AND ITH98B096-006A ASSIGNED.
ADDITIONALLY, THE EXPIRATION DATE INDICATED ON THE BAR CODES HAVE BEEN UPDATED. FOR LOT ITH98B096-006A THE EXPIRATION DATE IS MARCH 2008, FOR LOT ITH98B096-005A THE EXPIRATION DATE IS JANUARY 2008. FUTURE REWORKED LOTS WILL CONTINUE TO HAVE A SUFFIX ATTACHED TO THE AMMUNITION LOT NUMBER (ALN) AND A NEW EXPIRATION DATE.
ACTIVITIES IN RECEIPT OF AN/SSQ-110A (NALC 8W81) SONOBUOYS SHOULD TAKE CARE NOT TO CONFUSE THE REWORKED UNITS WITH OLDER UNITS THAT HAVE EXPIRED OR WILL EXPIRE IN LATE FY03.

AMMO INFO NOTICE 038-2003: SUBJ: FLEET RETURNS OF 76MM CONTAINERS, MK 11 MOD 0, NSN 8140-00-039-0741
NAVSUPPUB P724 CHAP 4, SEC 5 ADDRESSES THE "RETURN AND CONTROL OF REUSABLE AMMUNITION MATERIAL DETAILS AND NON-REUSABLE, EXPENDABLE CARTRIDGE CASES". THE INFORMATION CONTAINED IN PARA 4.5.2 SPECIFICALLY DEALS WITH REUSABLE AMMUNITION DETAILS AND REFERENCES THE MASTER REPAIRABLE LIST (MRL), ACCESSED VIA THE NALC WEB PAGE, FOR ITEM DISPOSITION DIRECTIONS.
FLEET RETURNS OF 76MM CONTAINERS MK 11 MOD 0, NSN 8140-00-039-0741, HAVE NOT BEEN COMPARABLE TO 76MM EXPENDITURES. REPORTED SERVICEABLE INVENTORIES OF MK 11 MOD 0 CONTAINERS WILL NOT SATISFY CURRENT PRODUCTION REQUIREMENTS FOR NEW AMMUNITION.
FOR FLEET UNITS: REQUEST TURN IN OF 76MM CONTAINERS AND LIDS AT EARLIEST OPPORTUNITY. FOR ASHORE WEAPONS DEPARTMENTS/DETACHMENTS: SENTENCE RECEIPTED ASSETS IAW APPLICABLE SENTENCING PUBS AND PROVIDE DISPOSITION AS DIRECTED IN THE MRL.
DESIGNATED COLLECTION POINT IS CRANE ARMY AMMUNITION ACTIVITY, UIC 53XMD. OFFICIAL REQUEST HAS BEEN INITIATED TO UPGRADE THE MOVEMENT PRIORITY DESIGNATOR FROM 13 TO 6.

AMMO INFO NOTICE 039-2003: SUBJ: 40MM HIGH VELOCITY AMMUNITION FIRED IN THE MK19, MOD 0 GRENADE MACHINE GUN (GMG) (1310-B542,B576,B584,BA12)
REQUEST A COPY OF THIS AIN BE PROVIDED TO ALL MARINE CORPS AND NAVY ORGANIZATIONS EMPLOYING THE MK19, MOD 0 GRENADE MACHINE GUN (GMG) FOR FIRING OF THE FOLLOWING 40MM HIGH VELOCITY CARTRIDGES:
40MM M430 HIGH EXPLOSIVE DUAL (DODIC B542)
40MM M385A1 TARGET PRACTICE (DODIC B576)
40MM M918 TARGET PRACTICE (DODIC B584)
40MM MK281, MOD 0 TARGET PRACTICE (DODIC BA12)
DURING THE FIELDING OF THE MK281, MOD 0 TARGET PRACTICE (TP) CARTRIDGE (BA12) THERE WERE SEVERAL INSTANCES INVOLVING BREAKAGE OF THE PLASTIC NOSE CAPS DURING THE FEEDING PROCESS. EFFORTS TO IDENTIFY THE CAUSE OF THE BREAKAGE AND IDENTIFY CORRECTIVE ACTIONS REVEALED THAT WEAPON MIS-ADJUSTMENT RESULTED

IN EXCESSIVE ABUSE TO THE AMMUNITION AND SUBSEQUENT DAMAGE TO THE AMMUNITION.

BASED ON THE INFORMATION OBTAINED DURING THE FIELDING OF THE MK 281 TP CARTRIDGE, ALL OPERATORS OF THE MK19 GMG ARE ADVISED TO ENSURE THE WEAPON FEED SLIDE IS PROPERLY ADJUSTED BEFORE FIRING THE AMMUNITION TO PREVENT DAMAGE TO THE AMMUNITION AND FEEDING MALFUNCTIONS. THIS IS ESPECIALLY TRUE WHEN FIRING THE MK281 TP CARTRIDGE WITH THE PLASTIC NOSE CAP. MK281 BROKEN NOSE CAPS CAUSED BY IMPROPERLY ADJUSTED FEED SLIDES ARE NOT TO BE CONSIDERED AN AMMUNITION MALFUNCTION.

THERE ARE ALSO REPORTED DIFFICULTIES WITH THE M385 TARGET PRACTICE (TP) CARTRIDGE (B576) THAT SUGGEST WEAPON MIS-ADJUSTMENT

MAY ALSO BE RELATED TO SOME PROBLEMS EXPERIENCED WITH THE M430 HEDP (B542) CARTRIDGE.

AMMO INFO NOTICE 040-2003:

SUBJ: USE OF SIMULATOR, HAND GRENADE, M116A1 (1370-L601

THIS AIN WILL BE DISSEMINATED TO ALL PERSONNEL AND UNITS THAT USE THE SIMULATOR, HAND GRENADE, M116A1 (L601)

COMMON PROBLEMS EXPERIENCED WITH THE M116A1 HAND GRENADE SIMULATOR INCLUDE PREMATURE FUNCTIONING DUE TO USER ERROR. INJURIES HAVE OCCURRED WHEN THIS SIMULATOR IS FUNCTIONED CLOSE TO PERSONNEL.

IT IS IMPERATIVE THAT USERS NOTE AND FOLLOW THE GUIDELINES AND PRECAUTIONS CONTAINED IN TM 9-1370-207-10 AND ON EACH SIMULATOR LABEL. IN PARTICULAR, WHEN THIS SIMULATOR IS INITIATED, IT MUST BE IMMEDIATELY THROWN AT LEAST FIFTEEN METERS IN A DIRECTION AWAY FROM UNPROTECTED PERSONNEL. IF THIS MINIMUM DISTANCE IS NOT OBSERVED, HEARING DAMAGE AND POSSIBLE FRAGMENTATION INJURY COULD RESULT. THESE DEVICES MUST NOT, REPEAT, MUST NOT BE ACTIVATED IN LOOSE GRAVEL, STICKS, OR OTHER MATERIALS THAT ARE SUBJECT TO PROJECTION, NOR SHOULD THEY BE THROWN INTO DRY LEAVES, GRASS OR OTHER FLAMMABLES.

WHEN TRAINING WITH THESE SIMULATORS, THE FOLLOWING SAFE USE PROCEDURES WILL BE FOLLOWED:

- (A). RESTRICT USE AND HANDLING OF SUBJECT SIMULATORS TO DESIGNATED, AUTHORIZED PERSONNEL. THESE PERSONNEL SHALL BE LIMITED TO EXPERIENCED, THOROUGHLY TRAINED COMBAT TRAINERS/CONTROLLERS WHO HAVE BEEN BRIEFED ON THE UNIQUE POTENTIAL HAZARDS OF THE SUBJECT SIMULATORS (INCLUDING THE APPLICABLE HAZARD DISTANCES ASSOCIATED WITH THEM).
- (B). USE SIMULATORS ONLY FOR THEIR INTENDED PURPOSES. DO NOT, REPEAT, DO NOT USE L601 TO SIMULATE INCOMING ARTILLERY.
- (C). OBSERVE SAFE SEPARATION DISTANCES FROM UNPROTECTED PERSONNEL AT ALL TIMES. A LESSER SAFE SEPARATION DISTANCE IS ACCEPTABLE FOR PROTECTED PERSONNEL. PROTECTED PERSONNEL ARE THOSE PROTECTED BY SUITABLE COVER, SUCH AS WITHIN ARMORED VEHICLES, IN BUILDINGS, IN DUG-IN EMPLACEMENTS, ETC. IN ADDITION, PERSONNEL WOULD NORMALLY BE CONSIDERED PROTECTED WHERE THE SIMULATOR IS SEPARATED FROM PERSONNEL BY MASKING TERRAIN OR IS DETONATED WITHIN A DESIGNATED, BARRICADED PIT OR AREA.
- (D). PERSONNEL AUTHORIZED TO USE SIMULATORS SHOULD FOLLOW PRECAUTIONS TO WARNINGS ON PAGE 19 OF TM 9-1370-207-10. AS INDICATED THERE, WHEN USING THESE SIMULATORS, THE THROWER SHOULD WEAR A STANDARD-ISSUE LEATHER GLOVE ON THE THROWING HAND,

IN ADDITION TO WEARING SAFETY EYEWEAR (E.G. GARGOYLE EYEWEAR OR SAFETY GLASSES). THE THROWER SHOULD ALSO SEEK SUITABLE COVER, MOVE TO THE SAFE SEPARATION DISTANCE FROM THE SIMULATOR, OR TURN AWAY FROM THE SIMULATOR AND ASSUME A PROTECTIVE STANCE AFTER THROWING.

(E). EXPOSED OR TARGET PERSONNEL WHO ARE NOT UNDER COVER SHALL BE INSTRUCTED TO FOLLOW CURRENT DOCTRINE FOR IMMEDIATE ACTION NORMALLY TAKEN WHEN EXPOSED TO ARTILLERY FIRE IN COMBAT (E.G., MOVE AWAY FROM IMPACT AREA OR SEEK SUITABLE COVER, AS DIRECTED BY TACTICAL LEADER OR COMMANDER).

WHILE USE OF PROPER PRECAUTIONS WILL MITIGATE SAFETY HAZARDS, USERS SHOULD ALSO ASSURE THAT ITEM FUNCTIONING PROBLEMS

ARE PROMPTLY REPORTED IAW MCO 8025.1 OR OPNAVINST 5102.1.

AMMO INFO NOTICE 041-2003:

SUBJ: REPLACEMENT OF LW17 WITH CWIE (6920-LW17,CWIE)

AS OF 7 AUG 03, ALL REQUISITIONS FOR THE MK 39 MOD 0 EMATT (LW17) WILL BE FILLED WITH THE MORE CAPABLE MOD 1 EMATT (CWIE). FLEET ACTIVITIES ARE ENCOURAGED TO UTILIZE ALL LW17 MOD 0 EMATTS THAT HAVE ALREADY BEEN REQUISITIONED. PURPOSE OF THIS ACTION IS TO PROVIDE THE USN WITH THE IMPROVED EMATT PRODUCT AND AVOID POTENTIAL SHELF-LIFE ISSUES IN THE FUTURE. AFTER 10 YEARS OF FLEET SERVICE, THE MOD 0 EMATT INVENTORY WILL BE CONSOLIDATED AND INSPECTED AT A CENTRAL LOCATION. TARGETS DETERMINED TO BE IN RFI CONDITION WITH ADEQUATE SHELF LIFE REMAINING WILL BE STORED AS RESERVES.

THE MK 39 MOD 1 EMATT(CWIE) HAS ALL THE CAPABILITIES THAT THE MK 39 MOD 0 EMATT (LW17) WITH SEVERAL NEW CAPABILITIES THAT PROVIDE MORE CHALLENGING ASW TRAINING: THE FOUR PASSIVE NARROWBAND DISCRETE TONAL AMPLITUDES ARE ATTENUATED FROM THE MOD 0 LEVELS FOR SOME PRE-PROGRAMMED RUN PROFILES. RUN POSITION SELECT (RPS) SWITCH 1 AND 4 HAVE NO ATTENUATION OF THE FOUR TONAL LINES AND ARE RECOMMENDED FOR BASIC TRAINING. RPS SETTINGS 2,3 5 AND 6 HAVE ATTENUATION LEVELS RANGING FROM 3 TO 12 DB BELOW (QUIETER) THAN MOD 0 LEVELS. AUTONOMOUS EVASIONS MANEUVERS THAT ARE CUED BY ACTIVE SONAR. RUN POSITIONS SELECT SWITCH 1 AND 4 HAVE NO EVASION MANEUVER PROGRAMMED; THE OTHER POSITIONS HAVE SHORT DURATION EVASIVE MANEUVERS.

THE MOD 1(CWIE) ALSO HAS A RANGE TRACKING PINGER FUNCTION THAT ALLOWS THE EMATT TO BE TRACKED ON ALL NAVY TRAINING RANGES. THE MOD 1(CWIE) ALSO WORKS WITH ALL US TORPEDO SYSTEMS.

A LIMITED NUMBER OF VARIABLE SPEED EMATT TARGETS, MK 39 MOD 1A (NALC CWLC), ARE AVAILABLE IN WEAPON STATION INVENTORY. THE MOD 1A HAS ALL THE CAPABILITY OF THE MOD 1 (CWIE) PLUS THE ADDITION OF A MULTI-SPEED AND FIELD PROGRAMMING CAPABILITY. SPEED RANGE FOR THE MOD 1A IS 3-8 KNOTS (1KNOT INCREMENTS), THE MOD 1A ALSO FEATURES EXTENDED RUN DURATIONS (UP TO 5 HOURS) AT SLOWER SPEEDS. THE MOD 1A MAY BE PROGRAMMED IN THE FIELD WITH A PORTABLE TARGET PROGRAMMER (PTP) BOX FOR SPECIAL FLEET TRAINING

APPLICATIONS, THE PTP IS AVAILABLE IN LIMITED NUMBERS.

IN THE SECOND QUARTER OF FY 04 THE MK 39 MOD 2 EMATT WILL BE INTRODUCED TO THE FLEET. THE MAJOR CAPABILITIES OF THE MOD 2 DESIGN ARE:

(A) EXPANDED DISCRETE TONAL STRUCTURE (UP TO 12 LINES),
PROGRAMMABLE IN FREQUENCY AND AMPLITUDE AND CAN VARY WITH

SPEED.

- (B) BROADBAND NOISE: NARROW BAND SUBMARINE-LIKE BBN CAN BE GENERATED AND CAN VARY WITH SPEED.
- (C) TRANSIENT NOISE GENERATOR: 10 TRANSIENT SOUNDS ARE AVAILABLE PER MISSION.
- (D) SUBMARINE-LIKE TURN RATES.
- (E) 12 PRE-PROGRAMMED RUN PROFILES, SWITCH SELECTABLE EXTERNALLY ON VEHICLE.
- (F) EXPANDED AUTONOMOUS EVASION OPTIONS: SENSOR SPECIFIC EVASION AVAILABLE INCLUDING TORPEDO EVASION.
- (G) FIELD PROGRAMMER SYSTEM: PROGRAMMER CAN REPROGRAM ACOUSTIC AND DYNAMIC PROFILES TO MEET SPECIFIC FLEET TRAINING MISSIONS NOT ADDRESSED BY THE 12 EMBEDDED RUN PROFILES.

FLEET SUPPORT OF MOD 2 TARGET EVALUATIONS IS REQUESTED OF THE FLEET DURING THE 1ST QUARTER OF FY 03. REQUIRED SUPPORT INCLUDES LAUNCH PLATFORMS AND ACOUSTIC/DYNAMIC EVALUATIONS.

CONTACT EMATT ITEM MANAGER P. BRUCE WITH REQUISITION QUESTIONS, 717-605-3606; CONTACT EMATT LIFE CYCLE MANGER, S. LEBRUN, 401-832-1682; DSN 920-1682, WITH TECHNICAL QUESTIONS AND FLEET INTEREST IN MOD 2 TEST SUPPORT.
SUBJ: VISUAL INSPECTION FOR POSITIVE IDENTIFICATION OF INNER PACK OF 5.56MM, BLANK M200 FOR 5.56MM, BALL M855 (1305-A059,A075, A080)

AMMO INFO NOTICE 042-2003:

THIS AIN APPLIES TO NAVY STOCK ONLY.

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL UNITS USING CARTRIDGE 5.56MM BLANK M200 (A075, A080).

IT IS IMPERATIVE THAT ALL PERSONNEL ARE AWARE OF THE POSSIBILITY THAT LIVE ROUNDS MAY BE PACKAGED WITHIN PROPERLY MARKED BLANK WIREBOUND WOODEN CONTAINERS.

AT A RECENT TRAINING EVOLUTION AT FORT POLK, TWO M2A1 CANS OF 5.56MM BALL M855 WERE DISCOVERED INSIDE A WOODEN WIREBOUND CONTAINER MARKED AS A080 M200 BLANK. PRIOR TO FIRING, USERS SHOULD INSPECT THE PACKAGING AND CONTENTS OF ALL M200 BLANK AMMUNITION (1305-A075, A080) WITH A LOT NUMBER AFTER LC-02E OR MANUFACTURED AFTER MAY OF 2002. IF LIVE ROUNDS ARE FOUND PACKAGED INSIDE BLANK CONTAINERS, CONTACT MR. JOHN YARBOR, NAVSURFWARCEMIV CRANE (PM416) AT (812) 854-5884 OR DSN 482-5884.
SUBJ: ESD PRECAUTIONS FOR FFV 553B SUBCALIBER ADAPTER (1370-L612)

AMMO INFO NOTICE 043-2003:

THIS AIN SUPERSEDES NOC IMSD AIN 027-98 (151935Z SEP 98).

THE BACKBLAST SIMULATOR FOR THE 553B SUBCALIBER ADAPTER (NSN/NALC 1370-01-379-3617 L612) IS SENSITIVE TO 300KV ELECTROSTATIC DISCHARGE (ESD). THE BACKBLAST SIMULATORS MUST THEREFORE BE KEPT IN THEIR ALUMINIZED BARRIER BAG/FOAM PACKAGE WHEN THE ITEMS MIGHT BE EXPOSED TO HELICOPTER DISCHARGES. ADDITIONALLY THE 7.62MM TRAINING CARTRIDGE, BACKBLAST AND PRIMER CAP MAY NOT BE TAKEN ABOARD SUBMARINES.

NSWC CRANE POC FOR THE FFV 553B SUBCALIBER ADAPTER IS MR CARL JARVIS CODE 4081 DSN 482-5798 OR COMM 812-854-5798.

AMMO INFO NOTICE 044-2003:

SUBJ: MK 15 MOD 2 PRIMERS (1390-N534)

THIS AIN SUPERSEDES IMSD AIN 015-99 (261935Z JAN 99).

THE MK 15 MOD 2 PRIMER (NSN 1390-00-726-7457) IS USED FOR CIRCUIT TESTING THE 5/54 MK 45 GUN MOUNT. THE SUPPLY OF MK 15 MOD 2 PRIMERS IS NEARLY DEPLETED. NO FURTHER PROCUREMENTS OF THE MK 15 MOD 2 PRIMERS ARE PLANNED.

ALL SHIPS WITH MK 45 GUN MOUNTS SHOULD HAVE RECEIVED MK 55 MOD 0 ELECTRONIC FIRING CIRCUIT TESTERS (NSN 6625-01-443-1864). EACH MOUNT SHOULD HAVE ONE

TESTER AND EACH SHIP SHOULD HAVE ONE SPARE. USING EITHER THE MK 15 MOD 2 PRIMER OR THE MK 55 CIRCUIT TESTER IS AN ACCEPTABLE METHOD OF CHECKING THE CIRCUIT IN THE MK 45 MOUNT BUT MK 15 MOD 2 PRIMERS MAY SOON BE UNAVAILABLE.

THE MK 55 CIRCUIT TESTER IS CURRENTLY BEING CERTIFIED FOR USE IN THE MK 42 GUN MOUNT. NOTIFICATION WILL BE PROVIDED WHEN CERTIFICATION IS COMPLETE AND SHIPS WITH MK 42 GUN MOUNTS WILL BE ABLE TO PROCURE TESTERS AT THAT TIME.

PROCUREMENTS OF REPLACEMENT MK 55 ELECTRONIC FIRING CIRCUIT TESTERS SHOULD BE MADE THROUGH NORMAL PROCUREMENT PROCEDURES.

AMMO INFO NOTICE 046-2003:

SUBJ: SIGNAL, SMOKE AND ILLUMINATION, MARINE, MK 124-0, DISTRESS DAY AND NIGHT (1370-L283)

THIS AIN APPLIES TO NAVY STOCK ONLY.

EXISTING STOCKS OF DODIC L283 NSN 1370-01-030-8330 AND NSN 1370-01-144-3561 (SIGNAL, SMOKE AND ILLUMINATION, MARINE, MARK 124 MOD 0) MAY EXHIBIT CORROSION ON EITHER END OF THE SIGNAL IN THE IGNITER AREA. ANY SIGNALS FOUND WITH THIS DEFECT SHOULD BE LOCALLY RECLASSIFIED TO CONDITION CODE HOTEL. USE DEFECT CODE HAAA23. A PRODUCT IMPROVEMENT PROGRAM IS CURRENTLY BEING EXECUTED TO ALLEVIATE THIS DEFECT FOR FUTURE PROCUREMENTS OF THIS SIGNAL.

EXISTING STOCKS OF THESE SIGNALS MAY ALSO HAVE LOOSE PROTECTIVE CAPS. REPLACEMENT CAPS, IF NEEDED, MAY BE OBTAINED BY CONTACTING COMMANDER, CODE 4022, NAVSURFWARCENDIV, 300 HIGHWAY 361, CRANE, INDIANA 47522-5001 OR EMAIL: NOONAN_R@CRANE.NAVY.MIL OR COMM PHONE 812-854-2814 OR DSN 482-2814. A PRODUCT IMPROVEMENT PROGRAM IS CURRENTLY BEING EXECUTED TO PROVIDE GREATER RESISTANCE TO CAP ACCIDENTAL REMOVAL.

AMMO INFO NOTICE 047-2003:

SUBJ: GUIDANCE FOR INSPECTION OF PROJECTILE THAT WERE RAMMED AND DOWNLOADED FROM WEAPONS (1315-C445,C449,C477,C479,C542)(1320-D501,D502,D503,D505,D509,D510,D528,D529,D544,D550,D563,D579,D8

64)

THIS AIN SUPERSEDES IMSD AIN 006-02 (301940Z NOV 01).

TM 9-1015-203-12, TM 9-1015-234-10, TM 9-1025-211-10 AND TM 9-2350-311-10 CAUTION USERS NOT TO LOAD A PROJECTILE THAT WAS PREVIOUSLY RAMMED INTO A WEAPON. THIS GUIDANCE ALSO APPLIES TO PROJECTILES THAT ARE RETURNED TO ASPS WHICH ARE KNOWN, OR SUSPECTED OF HAVING BEEN RAMMED ARE TO BE PLACED LOCALLY IN CC-H. TM 9-1025-211-10 AND TM 9-2350-311-10 STATE THAT THE ONLY EXCEPTION IS WHEN A COPPERHEAD PROJECTILE HAS BEEN RAMMED INTO A COLD TUBE.

VISUAL IDENTIFICATION OF PREVIOUSLY RAMMED PROJECTILES MAY BE IMPOSSIBLE SINCE WEAPON LANDS OFTEN DO NOT LEAVE INDENTATIONS ON THE ROTATING BANDS. USING UNITS MUST PROVIDE POSITIVE IDENTIFICATION OF THESE ROUNDS BY PLACING A STATEMENT ON THE TURN-IN DOCUMENT AND INDELIBLE MARKING ON THE PROJECTILES WHEN TURNING THEM IN AT THE ASP.

FUZES THAT HAVE BEEN REMOVED FROM PREVIOUSLY RAMMED PROJECTILES MAY HAVE DAMAGE CAUSED BY RAMMING. THESE FUZES WILL BE IDENTIFIED AS BEING REMOVED FROM THE PREVIOUSLY RAMMED ROUNDS AND RETURNED TO THE ASP. USING UNITS MUST PROVIDE POSITIVE IDENTIFICATION OF THESE FUZES BY PLACING A STATEMENT ON THE TURN-IN DOCUMENT AND INDELIBLE MARKING ON THE FUZES/CONTAINER WHEN TURNING THEM IN.

PLACING PROJECTILES THAT HAVE BEEN PREVIOUSLY RAMMED IN CONDITION CODE HOTEL IS NECESSARY BECAUSE PROJECTILES LEFT IN

A HOT GUN TUBE COULD RESULT IN MELTING OF THE EXPLOSIVE FILLER.

RESOLIDIFICATION COULD CAUSE VOIDS IN THE FILLER. VOIDS IN THE FILLER ARE A SUSPECTED CAUSE OF INBORE PREMATURES. ALSO, PLACING THE FUZES IS CONDITION CODE HOTEL WILL PREVENT ANY POSSIBLE MALFUNCTIONS THAT MAY CAUSE INJURY AND/OR DAMAGE TO EQUIPMENT IF ATTEMPTS TO REMOVE THE RAMMED PROJECTILE FROM THE TUBE ARE UNSUCCESSFUL, NO ATTEMPT WILL BE MADE TO FIRE THE ROUND, EOD PERSONNEL WILL BE CONTACTED TO REMOVE THE ROUND FOLLOWING ACCEPTED EOD PROCEDURES.

THE BELL RAMMER IN THE SECTION CHEST IS NOT ACCEPTABLE FOR RAMMING THE NEWER 155MM PROJECTILES (D501, D502, D503, D509, D528, D529 AND D563) BECAUSE SLIMMER PROFILE OF THESE PROJECTILES WILL RESULT IN THE BOTTOM OF THE BELL RAMMER TO ENGAGE THE NOSE OF THE FUZE BEFORE THE LIP OF THE BELL RAMMER CONTACTS THE PROJECTILE BODY. ATTEMPTS TO DOWNLOAD THESE PROJECTILES WITH THE

FURNISHED BELL RAMMER WILL INVARIABLY DAMAGE THE FUZE.

AMMO INFO NOTICE 049-2003: SUBJ: ROCKET, 84MM HEAT FFV551 WITH IM WARHEAD, PBMX (1340-HA16)
THIS AIN SUPERSEDES IMSD AIN 031-99 (271935Z MAY 99).

THIS AIN IS ISSUED TO PROVIDE TRAINING GUIDANCE REGARDING THE DODIC HA16. STRICT COMPLIANCE WITH THE SAFETY PRECAUTIONS CONTAINED IN US ARMY SW370-BN-OPI-010, OPERATORS MANUAL FOR 84MM RECOILESS RIFLE M3 W/E IS EMPHASIZED. DOUBLE HEARING PROTECTION MUST BE UTILIZED WHEN TRAINING WITH THE DODIC HA16 ROUND. FIRING LIMITATIONS FOR A 24 HOUR PERIOD ARE SIX ROUNDS FROM THE STANDING POSITION OR SIX ROUNDS FROM THE KNEELING POSITION OR TWO ROUNDS FROM THE SITTING POSITION AND NO ROUNDS FROM THE PRONE POSITION. THE FIRING LIMITATIONS IDENTIFIED HEREIN REPRESENT THE MAXIMUM NUMBER OF ROUNDS WHICH MAY BE FIRED IN A 24 HOUR PERIOD (THAT IS IF SIX ROUNDS ARE FIRED FROM THE STANDING POSITION, NO OTHER ROUNDS MAY BE FIRED WITHIN THAT 24 HOUR PERIOD).

THE DODIC HA16 SHALL NOT BE FIRED FROM ENCLOSURES OR FOXHOLE POSITIONS.

AMMO INFO NOTICE 001-2004: SUBJ: PROJECTILE, 5 INCH 54, HE-CVT, IMPROPER TIME SETTING
(1320-D346,D350,D803)

THIS AIN APPLIES TO ALL ROUNDS LOADED WITH THE M732 CONTROLLED VARIABLE TIME (CVT) FUZE.

IT IS POSSIBLE THAT AN OCCASIONAL HE-CVT ROUND WILL FUNCTION IN THE POINT DETONATING (PD) MODE INSTEAD OF THE PROXIMITY MODE OR FUNCTION EARLY DUE TO IMPROPER TIME SETTING CAUSED BY A LOW FUZE TORQUE OR OTHER FUZE DEFECT. A HAZARD ASSESSMENT HAS DETERMINED THAT AN EARLY FUNCTION PRIOR TO THE DANGER CLOSE ZONE

WITH THIS ROUND IS NOT AN OVERHEAD FIRE SAFETY HAZARD. THE POSSIBILITY OF AN IMPROPER TIME SETTING MAY BE REDUCED BY HAND SETTING THE FUZE (THIS EFFECTIVELY NEGATES THE FUZE LOW TORQUE ISSUE). FUZE SET TIME SHOULD BE IN ACCORDANCE WITH SW030-AA-MMO-010 NAVY GUN AMMUNITION OR OTHER APPLICABLE TECHNICAL MANUAL.

ALL INCIDENTS OF PD MODE FUNCTIONING WHEN PROXIMITY MODE WAS SET OR EARLY FUNCTIONS SHOULD BE REPORTED IN ACCORDANCE WITH THE LATEST REVISION OF OPNAVINST 5102.1.

AMMO INFO NOTICE 002-2004: SUBJ: 12 GAUGE FLASH-BANG CARTRIDGES (1370-AY04)

THIS AIN APPLIES TO DODIC AY04, 12 GAUGE FLASH-BANG CARTRIDGES, NSN 1370-01-507-0749.

THIS AIN IS PROVIDED TO ADVISE OF MARKING DISCREPANCIES FOR DODIC AY04 CARTRIDGES, AMMUNITION LOT NUMBERS SNO01D010-003

AMMO INFO NOTICE 003-2004:

AND SNO01D010-004. THE DODIC AY04 IS AVAILABLE FOR FORCE PROTECTION PURPOSES. THE CARTRIDGES ARE PACKAGED 25 CARTRIDGES IN A PLASTIC 25-ROUND BOX, WITH FOUR 25-ROUND BOXES IN EACH M2A1 CAN. THE NOMENCLATURE AND NSN ARE DIFFERENT FOR THE M2A1 CAN AND INTERIOR PACKAGING. M2A1 CANS CONTAINING THESE CARTRIDGES ARE MARKED 12-GAUGE FLASH-BANG CARTRIDGES NSN 1370-01-507-0749, WHILE THE INTERIOR CONTAINERS AND THE INDIVIDUAL CARTRIDGES ARE MARKED 12-GAUGE BIRDSKARE CARTRIDGES NSN 1370-01-204-1525. CARTRIDGES ARE AUTHORIZED FOR USE WITH THIS DISCREPANCY.

SUBJ: HOT GUN PROCEDURES FOR PROJECTILE, HE-ET, HIFRAG MK 179-0, HE-MT-PD, HIFRAG MK 82-0 HE-CVT, HIFRAG MK 81-0 (1320-DA34, D340, D346)

THIS AIN SUPERSEDES NALC AIN 034-01 (071935Z MAR 01).

A POTENTIAL HAZARD EXISTS WITH 5/54 HIFRAG PROJECTILES SLIDING OUT OF THE BREECH OF A HOT GUN DUE TO SOFTENING OF THE PLASTIC ROTATING BAND. INCORPORATE INTO SW300-BC-SAF-010 SECTION 30-30.1.2 PERTINENT HIFRAG RELATED CHANGES GOVERNING THE 5/54 CAL GUNS MK 45 AND THE MK 42 THE FOLLOWING INFO: "WARNING: IN A HOT GUN CONDITION HIFRAG PROJECTILES ARE CAPABLE OF SLIDING OUT OF THE BREECH WHEN THE BREECHBLOCK IS OPENED. PRIOR TO OPENING OF THE BREECHBLOCK, POSITION THE BARREL TO 2000 MINUTES (ZERO DEGREES) ELEVATION, WHILE MAINTAINING A SAFE LINE OF FIRE".

AMMO INFO NOTICE 004-2004:

SUBJ: CTG, 81MM, HE, M821A1 AND M889A1 (1315-C868, C869)

THIS AIN SUPERSEDES IMSD AIN 051-99 (101935Z SEP 99).

IT IS IMPERATIVE THAT THIS INFORMATION BE FURNISHED TO USING UNITS PRIOR TO FIELDING AND ISSUANCE OF SUBJECT ROUNDS, DUE TO THE FRAGMENTATION DISTANCES OF THESE ITEMS. (CHANGE 8 OF TM-9-1015-249-10/AIR FORCE TO 11W2-5-21-1/MARINE CORPS TM 09922A-10/1 INCORRECTLY LISTS THE DISTANCE IN THE BELOW WARNING AS 250 METERS OR LESS.)

PENDING ISSUANCE OF NEXT FORMAL CHANGE TO REFERENCE, CHANGE THE

SECOND WARNING ON PAGE 4-26.1 TO READ AS FOLLOWS:

"THE MORTAR CREW MUST HAVE ADEQUATE COVER FOR PROTECTION FROM FRAGMENTS WHEN FIRING TO RANGES OF 400 METERS OR LESS."

AMMO INFO NOTICE 005-2004:

SUBJ: SIGNAL KIT, ILLUMINATION AND SIGNALS (1370-L118, L258, L128, L132, L129, L133, L131)

THIS AIN SUPERSEDES NALC AIN 023-01 (DTG 301935Z JAN 01).

THIS AIN IS TO INSTRUCT USERS OF MK 79 (L118), MK 108 (L132), MK 135 (L131), AND MK 142 (L133) SIGNAL KITS WHICH CONTAIN MK 80 RED SIGNALS (L258), AND/OR MK 110 GREEN SIGNALS (L128), AND/OR MK 134 WHITE SIGNALS (L129) TO DISPOSE OF ANY SIGNALS FOUND WITH LOOSE END CAPS, DENTED CASES OR EXHIBITING CORROSION IN THE CAP/BODY INTERFACE AREA. SIGNALS WITH EVEN SLIGHT CORROSION AT THE CAP/BODY INTERFACE (OUTPUT END OF SIGNAL) MAY HAVE MORE SEVERE INTERNAL CORROSION. SIGNAL KITS SHOULD BE KEPT IN THE PLASTIC BAGS UNTIL USED. AVOID DAMAGE TO PLASTIC BAGS. DO NOT PUNCH HOLES IN THE PLASTIC BAGS FOR ATTACHMENT OF LANYARDS, ETC. IF FOR INSPECTION PURPOSES SIGNALS ARE REMOVED FROM AND RE-INSERTED INTO THE PLASTIC BANDOLEER, CARE SHOULD BE TAKEN NOT TO FLEX THE PLASTIC TAB THAT PROTECTS THE PRIMER END OF THE SIGNAL. THIS TAB IS PRONE TO BREAK OFF AFTER REPEATED FLEXING. IF TAB BREAKS OFF, SIGNAL CAN FALL OUT OF BANDOLEER.

AMMO INFO NOTICE 006-2004: SUBJ: PROJECTILE, 5 INCH 54, HE (1320-DA34,D340,D346)
THIS AIN SUPERSEDES NALC AIN 048-03 (251935Z SEP 03).
POTENTIAL HANDLING AND STORAGE HAZARDS EXIST WHEN SNAP RING IS MISSING FROM OR IMPROPERLY INSTALLED IN FUZE PROTECTIVE CAP. IF CONDITION EXISTS ONLY LOW FORCES ARE REQUIRED TO REMOVE THE HI-FRAG CONFIGURATION FUZE PROTECTIVE CAP. CARE MUST BE TAKEN TO INSTALL THE FUZE PROTECTIVE CAP CORRECTLY. TO AVOID DROPPING THE PROJECTILE DURING HANDLING, DO NOT SUPPORT THE PROJECTILE USING THE FUZE PROTECTIVE CAP. IF THE PROJECTILE IS DROPPED, DAMAGE TO THE FUZE, PROJECTILE JOINT, OR ROTATING BAND MAY RESULT. THIS DAMAGE CAN INCLUDE DETONATOR FUNCTION IN THE MK 393 MT/PD FUZE.

AMMO INFO NOTICE 007-2004: SUBJ: PROJECTILE, 5 INCH 54, HIFRAG OVERSIZE ROTATING BAND (1320-DA34,D340,D346)
THIS AIN SUPERSEDES NALC AIN 035-01 (131945Z MAR 01).
THIS AIN APPLIES TO ALL HIFRAG PROJECTILES.
DODIC DA34 HE-ET, DODIC D340 HE-MT/PD, D346 HE-CVT HIFRAG ROUNDS OCCASIONALLY BECOME STUCK BETWEEN THE UPPER LOADING STATION AND THE LOADER DRUM CELL WHEN ATTEMPTING TO LOAD THESE PROJECTILES INTO THE LOADER DRUM. THE CAUSE IS OVERSIZE PLASTIC ROTATING BANDS SOMETIMES AGGRAVATED BY EJECTOR ARMS AT MAX TOLERANCE.
IF A HIFRAG PROJECTILE BECOMES JAMMED WHILE ATTEMPTING TO LOAD IT INTO THE DRUM, MANUALLY REMOVE ROUND AND REPLACE FUZE PROTECTOR CAP. LOCALLY RECLASSIFY PROJECTILE TO CONDITION CODE FOXTROT, DEFECT CODE ZRBZ2X, AND OFFLOAD AT EARLIEST CONVENIENCE.

AMMO INFO NOTICE 008-2004: SUBJ: LAUNCHER AND CTG, 84MM, M136 AT4 (1315-C995)
THIS AIN SUPERSEDES SPCC AIN 012-91 (122020Z FEB 91).
TWO ACCIDENTS IN PAST YEARS HAVE OCCURRED INVOLVING INADVERTENT FIRING OF LAUNCHER AND CTG, 84MM, M136 (LIN R05631). THE ACCIDENTS RESULTED IN A TOTAL OF 21 PERSONNEL INJURIES, SOME OF WHICH WERE SERIOUS.
A MAJOR CONTRIBUTING FACTOR IN THE ABOVE ACCIDENTS APPEARS TO HAVE BEEN MISINTERPRETATION OF A MARKING ON THE EXTERIOR OF THE WEAPON. PAGE 1-16 OF TM 9-1315-886-12 DTD 15 MAY 90 (CHANGE 4) SHOWS A LARGE DECAL WHICH OUTLINES THE 5 BASIC STEPS REQUIRED TO FIRE THE WEAPON AND 5 NUMBERED DECALS WHICH REINFORCE THE OPERATING INSTRUCTIONS.
(A). DECAL NO. 1 READS, "1 SAFETY PIN", WHICH MEANS TO REMOVE THE TRANSPORT SAFETY PIN.
(B). DECAL NO. 2 READS, "2 COCKED." THIS DECAL IS PLACED TO SHOW WHEN THE COCKING LEVER IS IN THE COCKED POSITION.
(C). DECAL NO. 3 READS, "3 AIM." THIS DECAL ILLUSTRATES 3 TYPICAL SIGHT PICTURES.
(D). DECAL NO. 4 READS, "4 SAFETY-PUSH AND HOLD." THIS DECAL IS NEAR THE RED SAFETY LEVER.
(E). DECAL NO. 5 READS, "5 TRIGGER." THIS DECAL IS NEAR THE RED TRIGGER THUMB BUTTON.
IT IS PRESUMED THAT A PERSON NOT TRAINED ON THE WEAPON COULD INTERPRET DECAL NO. 4 AS MEANING THAT HOLDING DOWN THE RED SAFETY LEVER RENDERS THE WEAPON SAFE. CORRECT INTERPRETATION IS THAT THIS ACTION OVERCOMES THE FINAL SAFETY FEATURE AND ENABLES THE PRESS OF THE TRIGGER TO FIRE THE WEAPON. THIS MARKING ON FUTURE PRODUCTION WEAPONS WILL BE CHANGED TO READ "SAFETY-TO RELEASE SAFETY PUSH AND HOLD".

ALSO, THE TRANSPORT SAFETY PIN CAN BE DISLODGED FROM ITS STOWED POSITION THROUGH HANDLING. THE FOLLOWING ACTION CAN DECREASE THE LIKELIHOOD OF THE PIN COMING OUT. ENSURE THE ELASTIC CORD IS TIED TO THE REAR SLING SWIVEL (EARLY PRODUCTION ITEMS HAD THE CORD LOOPED AROUND THE REAR OF THE WEAPON FOREWARD OF THE VENTURE). HOLD THE WEAPON AS SHOWN ON PAGE 2-15 OF TM 9-1315-886-12. REMOVE THE TRANSPORT SAFETY PIN AND MOVE IT IN A CLOCKWISE DIRECTION (AS SEEN FROM THE REAR OF THE WEAPON) AROUND THE WEAPON AND REINSERT THE PIN SUCH THAT IT POINTS TOWARD THE OPERATOR. THIS REPOSITIONING OF THE PIN ALLOWS THE GREATER TENSION OF THE STRETCHED CORD TO HELP KEEP THE PIN IN PLACE. THE PROCEDURE WILL BE ADDED TO TM 9-1315-886-12 IN A FUTURE CHANGE. NOTE: PARA 3-3 OF TM 9-1315-886-12 GIVES INSTRUCTIONS FOR FIELD REPLACEMENT OF THE TRANSPORT SAFETY PIN.

AMMO INFO NOTICE 009-2004:

SUBJ: AT4 FIRING PROCEDURES, CHANGE TO TM 9-1315-886-12 (1315-C995)

THIS AIN SUPERSEDES IMSD AIN 006-98 (041935Z MAR 98).

A COPY OF THIS AIN WILL BE PROVIDED TO ALL UNITS WHICH FIRE AT4 IN TRAINING.

BLAST OVERPRESSURE FROM CARTRIDGE AND LAUNCHER, 84MM, M136, AT4 HAS BEEN REEVALUATED. CHANGE 4 TO TM 9-1315-886-12, AMENDED PROCEDURES AND ARE TO BE IMPLEMENTED. FOLLOWING IS MAXIMUM QUANTITY WHICH CAN BE FIRED BY A SINGLE INDIVIDUAL IN TRAINING WITHIN A 24 HOUR PERIOD:

- (A) ZERO FROM FOXHOLE OR PRONE POSITION.
- (B) ONE FROM SITTING POSITION.
- (C) THREE FROM A STANDING OR KNEELING POSITION IN LIEU OF SIX.

THE PRACTICE LAUNCHER M287 9MM TRACER BULLET TRAINING DEVICE IS THE ONLY AUTHORIZED SYSTEM TO ACHIEVE PROPER TRAINING ON FIRING FROM A FOXHOLE OR PRONE POSITION.

STRICTER LIMITATIONS ABOVE ARE BASED ON RECENT TEST AND EVALUATION WHICH SHOWED THAT CURRENT TRAINING FIRING AUTHORIZED PER INDIVIDUAL WITHIN A 24 HOUR PERIOD POSED A RISK OF NONAUDITORY INJURY TO THE OPERATOR. TO PREVENT AUDITORY INJURY, PER TM-9-1315-886-12, EAR PLUGS WILL BE USED. ONLY E-A-R POLYMER FOAM PLUGS ARE AUTHORIZED.

AMMO INFO NOTICE 010-2004:

SUBJ: ADDITIONAL INSPECTION PROCEDURES MINE AT HEAVY M19 NON-METALLIC (1345-K250)

THIS AIN SUPERSEDES IMSD AIN 021-98 (311941Z AUG 98).

A COPY OF THIS AIN SHOULD BE PROVIDED TO ALL ORGANIZATIONS AND PERSONNEL UTILIZING THESE MINES.

TM-9-1345-203-34 WILL BE UPDATED TO INCLUDE AN ADDITIONAL CRITICAL MATERIAL DEFECT FOR A FIRING PIN THAT FAILS TO RETURN TO THE CORRECT POSITION WHEN THE MINE IS PLACED ON SAFE.

THE FOLLOWING INSPECTION PROCEDURES WILL BE CONDUCTED PRIOR TO USE TO ENSURE THE MINES FIRING PIN IS SAFE:

- (A) REMOVE FUZE AND INSPECT RUBBER GASKET
- (B) REMOVE ANY FOREIGN MATERIAL FOUND IN FUZE WELL
- (C) VERIFY THE FUZE IS SET TO S AND SAFETY CLIP IS IN PLACE
- (D) REMOVE SHIPPING PLUG FROM DETONATOR WELL AND REMOVE ANY FOREIGN MATERIAL

- (E) VERIFY THE FIRING PIN IS LOCATED AT THE EDGE OF THE DETONATOR WELL
- (F) REMOVE SAFETY CLIP AND ROTATE FUZE SETTING KNOB TO A AND VERIFY THE FIRING PIN MOVES TO THE CENTER OF THE DETONATOR WELL
- (G) RETURN SETTING KNOB BACK TO THE S POSITION AND VERIFY THE FIRING PIN RETURNS TO THE EDGE OF THE DETONATOR WELL(CRITICAL DEFECT IF IT DOES NOT RETURN)
- (H) REPLACE SAFETY CLIP

AMMO INFO NOTICE 011-2004:

SUBJ: INFORMATION PERTAINING TO INITIATOR, FIREBOMB, MK 13 MOD 0 NSN 1325-00-234-0071 (1325-GW04)
CURRENT INVENTORY OF MK 13 MOD 0 INITIATORS FOR USE WITH THE MK 77 MOD 5 FIREBOMB SET IN THE DELAY MODE HAS A HIGH PROBABILITY OF INITIATING IN AN INSTANTANEOUS MODE. OPERATIONALLY, SETTING THE INITIATOR IN THE DELAY MODE SHOULD BE AVOIDED. RECOMMEND MK 13 MOD 0 INITIATOR BE SET TO INSTANTANEOUS WITH THE MK 77 MOD 5 FIREBOMB FILLED WITH JP-5 / JP-8 FUELS.

IT SHOULD BE NOTED WHEN UTILIZING JP-8 FUELS IN MK 77 MOD 5 FIREBOMBS, THE WEAPON EFFECTIVENESS MAY BE REDUCED DUE TO LACK OF FUEL DISPERSAL PRIOR TO DETONATION.

AMMO INFO NOTICE 012-2004:

SUBJ: MANUAL IGNITION OF GRENADE, HAND, SMOKE, M18 SERIES (1330-G940,G945,G950,G955)

REQUEST THIS AIN BE PASSED TO ALL ORGANIZATIONS AND PERSONNEL.

PENDING COMPLETION OF THIS EVALUATION, THE MANUAL IGNITION PROCEDURE IN PARA 1-6A(8) OF FM 3-23.30 GRENADES AND PYROTECHNIC SIGNALS DTD 1 SEP 2000 IS NOT AUTHORIZED FOR USE UNDER ANY CIRCUMSTANCES.

PARA 1-6A(8) OF FM 3-23.30, GRENADES AND PYROTECHNIC SIGNALS DTD 1 SEP 2000, OUTLINES A FIELD-EXPEDIENT METHOD OF MANUALLY INITIATING SUBJECT GRENADES WITHOUT THE USE OF A FUZE BY IGNITING THE STARTER MIXTURE IN THE GRENADE WITH AN OPEN FLAME.

THIS PARA ALSO STATES THAT THIS PROCEDURE IS INTENDED FOR USE ONLY UNDER COMBAT CONDITIONS.

THIS GUIDANCE WAS DEVELOPED WITH REFERENCE TO AN IGNITION SYSTEM FOR THESE GRENADES WHICH DIFFERED FROM THE STARTER CUP/SLUG CONFIGURATION CURRENTLY IN USE ON FIELDIED ITEMS.

THE TECHNICAL COMMUNITY IS NOW CONDUCTING ANALYSIS OF SUBJECT GRENADES IN THEIR IGNITION CONFIGURATION. THE PURPOSE OF THIS REVIEW IS TO DETERMINE WHETHER THE MANUAL IGNITION PROCEDURE OUTLINED BY FM 3-23.30 PRESENTS AN UNACCEPTABLE SAFETY RISK TO THE USER WHEN EMPLOYED WITH CURRENTLY-FIELDIED ITEMS, EVEN IN COMBAT.

AMMO INFO NOTICE 013-2004:

SUBJ: LOOSE CLOSURE CAP ASSY, 40 LB SHAPE CHARGE (1375-M421)
THIS AIN SUPERSEDES IMSD AIN 026-95 (161935Z AUG 95).

REF MARCORSYSCOM MEMO DTD 26 MAY 95.

THIS AIN IS TO BE ISSUED WITH SUBJ SHAPE CHARGES FOR USE BY USING UNITS.

LOOSE CLOSURE CAPS ASSEMBLIES HAVE BEEN FOUND DURING INSPECTION OF THE M3, 40 LB SHAPED CHARGE (DODIC M421) STORED ON BOARD MARITIME PREPOSITIONED SHIPS. LOOSE CLOSURE CAP ASSEMBLIES HAVE ALSO BEEN FOUND DURING THE FY 93 SURVEILLANCE TEST OF THE 40 LB SHAPED CHARGE. PRESENTLY, THIS DEFECT CANNOT BE ISOLATED TO A PARTICULAR LOT AND ITS CAUSE IS UNKNOWN.

BASED ON TEST RESULTS, LOOSE CLOSURE CAP ASSEMBLIES DO NOT AFFECT THE FUNCTIONING CHARACTERISTIC OF THE 40 LB SHAPED AND NO HAZARDS EXIST UNLESS THE CLOSURE CAP ASSEMBLY IS PULLED OFF AND THE EXPLOSIVES ARE EXPOSED. LOOSE CLOSURE CAP ASSEMBLIES MAY, HOWEVER, CAUSE USERS DIFFICULTY IN EMPLACING OR PRIMING THE SHAPED CHARGE IF BEING USED IN OTHER THAN THE UPRIGHT POSITION.

USERS ARE ADVISED TO INSPECT THE 40 LB SHAPED CHARGE FOR LOOSE CLOSURE CAP ASSEMBLIES PRIOR TO USE. IF A LOOSE CAP ASSEMBLY IS FOUND, USERS MAY CONTINUE TO USE THE SHAPED CHARGE BY SECURING THE CLOSURE CAP TO THE SHAPE CHARGE WITH ADHESIVE TAPE OR EQUIVALENT AND TAKING THE NECESSARY PRECAUTIONS DURING HANDLING. SHAPED CHARGES FOUND WITH THIS DEFECT, OR ANY OTHER OBVIOUS DEFECTS NOT NOTED HEREIN, WILL BE REPORTED IAW THE LATEST REVISION OF MCO 8025.1 OR OPNAVINST 5102.1. IN THE EVENT OTHER DEFECTS ARE FOUND, THEN THE USE OF THIS CHARGE IS PROHIBITED.

USERS ARE ALSO ADVISED TO TAKE ADDITIONAL CARE WHEN UNPACKING AND HANDLING THE 40 LB SHAPED CHARGE. ALWAYS USE THE CARRYING STRAPS ATTACHED TO THE SHAPED CHARGE WHEN HANDLING. AVOID LIFTING THE SHAPED CHARGE BY THE CLOSURE CAP, THIS CAN PULL THE CLOSURE CAP ASSEMBLY OFF AND EXPOSE OR BREAK THE BOOSTER CHARGE.

AMMO INFO NOTICE 014-2004:

SUBJ: IMPROPERLY MARKED STINGER GRIPSTOCKS (1440-PN15,PN16, PN07)

THIS AIN SUPERSEDES NALC AIN 007-00 (161935Z NOV 99).

THIS AIN APPLIES TO MARINE CORPS STOCK ONLY.

THIS AIN IS TO BE REVIEWED AND ACTED UPON AS NECESSARY BY ALL STORAGE ACTIVITIES THAT MAINTAIN INVENTORIES OF STINGER GRIPSTOCKS.

TWO STINGER MISSILE GRIPSTOCK VERSIONS ARE CURRENTLY IN USE: REPROGRAMMABLE MICROPROCESSOR (RMP) MODEL (DODIC PN16) AND BLOCK 1 MODEL (DODIC PN07). THE BASIC GRIPSTOCK (DODIC PN15) IS OBSOLETE. DIFFERENCES FOR EACH VERSION FOLLOW:

BASIC GRIPSTOCK (UNITIZED)-DODIC PN15, PART NUMBER 11486959, NSN 1440-01-024-6931, SERIAL NUMBER UP TO 551658

BASIC GRIPSTOCK (CLAMSHELL)-DODIC PN15, PART NUMBER 13056705, NSN 1440-01-170-8618, SERIAL NUMBER EQUAL TO OR BETWEEN 551659 AND 565567.

RMP GRIPSTOCK-DODIC PN16, PART NUMBER 13251828, NSN 1440-01-233-1494, SERIAL NUMBER EQUAL TO OR BETWEEN 565568 AND 575723.

BLOCK 1 GRIPSTOCK-DODIC PN07, PART NUMBER 13480228, NSN 1440-01-411-1688, SERIAL NUMBERS MAY INCLUDE RMP (DODIC PN16) SERIAL NUMBERS SINCE PN16 GRIPSTOCKS ARE BEING CONVERTED TO PN07 BUT RETAINING THE PN16 SERIAL NUMBER.

SURVEILLANCE EVALUATIONS OF STINGER GRIPSTOCKS HAVE REVEALED THAT SOME PN16 PACKAGING WAS IMPROPERLY MARKED AT THE FACTORY, INDICATING A PN15 BASIC GRIPSTOCK. FOR THESE ASSETS, THE OUTER FIBER BOX LABEL HAS AN NSN OF 1440-01-170-8618 AND A PART NUMBER OF 13056705. THE INNER BARRIER BAG LABEL WAS PROPERLY MARKED WITH NSN 1440-01-233-1494 AND PART NUMBER 13251828. IN

ALL INSTANCES, THE SERIAL NUMBER MARKED ON THE OUTER BOX AND INNER BARRIER BAG LABELS WERE CONSISTENT, CORRECT AND CORRESPONDED TO A PN16 GRIPSTOCK

STORAGE ACTIVITIES WILL REVIEW THEIR STINGER GRIPSTOCK INVENTORIES AND DETERMINE IF ANY PN16 SERIAL NUMBER GRIPSTOCKS ARE MARKED WITH PN15 NSN'S AND/OR PART NUMBERS. NOTE: PN16 SERIAL NUMBERS SHOWN IN PARAGRAPH 5 MAY BE PROPERLY MARKED WITH PN07 NSN'S AND PART NUMBERS IF THEY HAVE BEEN UPGRADED TO PN07 (BLOCK 1). GRIPSTOCKS WITH QUESTIONABLE MARKINGS WILL BE PHYSICALLY INSPECTED TO DETERMINE THEIR PROPER IDENTITY PRIOR TO ANY INVENTORY CORRECTION

DURING ANY PHYSICAL INSPECTION, IF THE OUTER FIBER BOX LABEL APPEARS TO BE INCORRECT (THE SERIAL NUMBER INDICATES AN NSN AND/OR PART NUMBER DIFFERENT FROM THE PARA 5 DESCRIPTIONS), THE OUTER BOX WILL BE OPENED AND THE INNER BARRIER BAG LABEL CHECKED. (NOTE: THE CONTENTS WITHIN THE BARRIER BAG ARE DESICCATED TO PREVENT EXCESSIVE MOISTURE. DO NOT OPEN THE BARRIER BAG UNLESS THE GRIPSTOCK IS TO BE USED.) IF THE INNER LABEL IS DIFFERENT FROM THE OUTER LABEL, BUT CORRESPONDS TO THE PARA 5 DESCRIPTIONS, THE OUTER LABEL WILL BE CORRECTED AND THE OUTER FIBER BOX CLOSED AND SEALED. IF THE BARRIER BAG LABEL NSN AND PART NUMBER MATCH THOSE ON THE OUTER FIBER BOX LABEL (NSN AND/OR PART NUMBER INDICATING PN15 WHILE THE SERIAL NUMBER INDICATES PN16), THEN EITHER THE MARKINGS OR THE SERIAL NUMBER IS INCORRECT. THE OUTER BOX WILL BE CLOSED AND SEALED. THE QUESTIONABLE ASSET WILL BE LOCALLY DOWNGRADED TO C/C K: REQUIRES INSPECTION TO DETERMINE CORRECT DODIC-DEFECT CODE JAA55F. FOR THE MARINE CORPS THE STORAGE ACTIVITY WILL REPORT DEFECTS IN ACCORDANCE WITH MCO 8025.1B DTD 31 MAY 90 AND REQUEST DISPOSITION.

AMMO INFO NOTICE 015-2004:

SUBJ: POSSIBLE ERRATIC FLIGHT 120MM TANK CARTRIDGES M829A1 APFSDS-T (1315-C380)

REQUEST THIS AIN BE PASSED TO ALL ORGANIZATIONS AND PERSONNEL INVOLVED IN THE FIRING OF M829A1 TANK AMMUNITION.

C380 AMMUNITION LOTS IOP88J110-001, IOP88J110-001A, ALL MHM LOTS MANUFACTURED PRIOR TO MHM90C094-004, AND ALL MM LOTS MANUFACTURED PRIOR TO MM-90H503-003 HAVE BEEN PLACED IN CONDITION CODE NOVEMBER, AND SHALL ONLY BE USED FOR EMERGENCY COMBAT USE. ROUNDS FROM THESE LOTS SHOULD ONLY BE USED AFTER THE AFFECTED OPERATING UNIT HAS NO REMAINING SERVICEABLE STOCKS (CODES A, B, AND C) AVAILABLE FOR USE.

REASON/PROBLEM: THESE EARLY C380 PRODUCTION LOTS HAVE BEEN KNOWN TO EXHIBIT ERRATIC FLIGHT. EARLY PRODUCTION LOTS USED FINS WITH BEVELED LEADING EDGES RATHER THAN THE CANTED FINS USED IN LATER PRODUCTION LOTS. THESE BEVELED EDGES DID NOT "ACCEPT" THE PROTECTIVE HARD COATING OF ALUMINUM OXIDE WELL. THIS RESULTED IN ACTUAL BURNING OF THE FINS IN FLIGHT, CAUSING ERRATIC FLIGHT AND A DECREASE IN THE PROBABILITY OF HIT.

TECHNICAL POC IS MR. MATTHEW O'MALLEY, MCPD CODE 40912, DSN 873-3515, COML 760-731-3515, EMAIL MATTHEW.OMALLEY@NAVY.MIL.

AMMO INFO NOTICE 016-2004:

SUBJ: SAFETY OF USE INSPECTION OF RELAY CUPS FOR CRITICAL DEFECTS ON M58 AND M59 LINEAR DEMOLITION CHARGES (1375-M913,ML25)

REQUEST THIS AIN BE PASSED TO ALL ORGANIZATIONS AND PERSONNEL INVOLVED IN HANDLING, INSPECTION, AND FIRING OF THE SUBJECT AMMUNITION.

TWO RELAY CUPS THAT ACT AS END CAPS FOR BOTH PETN FILLED DETONATING CORDS ARE INSTALLED IN THE FUZE CONNECTOR FRONT-HALF. THE EXPOSED TOP FACE OF EACH RELAY CUP IS SUPPOSED TO BE EITHER BELOW OR FLUSH WITH THE FUZE MATING SURFACE OF THE FUZE CONNECTOR FRONT-HALF. IF THE TOP SURFACE OF THE RELAY CUP IS PROTRUDING ABOVE THE FUZE MATING SURFACE, THEN THIS CONDITION IS A CRITICAL DEFECT. IF THE PROTRUDING CUPS WERE STRUCK WITH SUFFICIENT ENERGY, THEN THE LINEAR CHARGE COULD BE INITIATED.

UTILIZING A NON SPARKING STRAIGHT EDGE, SLIDE THE STRAIGHT EDGE OVER EACH RELAY CUP TO DETERMINE WHETHER THE RELAY CUPS ARE PROTRUDING ABOVE THE FUZE MATING SURFACE. IF EITHER RELAY CUP IS PROTRUDING ABOVE THE FUZE MATING SURFACE, THEN THIS IS A CRITICAL DEFECT AND REJECTS THE LINEAR CHARGE.

AMMO INFO NOTICE 018-2004:

SUBJ: SURFACE DANGER ZONE SDZ FOR PROJECTILE, 155MM, HEAT, M712 (1320-D510)

THIS AIN SUPERSEDES IMSD AIN 017-98 (301941Z JUL 98).

REQUEST THIS AIN BE DISTRIBUTED TO ALL FIELD ARTILLERY UNITS AND ASSOCIATED SUPPORTING ELEMENTS (INCLUDING RANGE SAFETY OFFICERS) WHO FIRE THE COPPERHEAD.

THIS AIN CHANGES REFERENCES AR 385-63/MCO P3570.1B DTD 19 MAY 2003 AND CORRECTS AR PAM 385-63 DTD 10 APRIL 2003 SDZ FOR COPPERHEAD BALLISTIC AND GLIDE MODES (FIGURES 11-5 AND 11-6). THIS CHANGE TO BE INCLUDED IN NEXT UPDATED AR/PAM 385-63.

THE SURFACE DANGER ZONES FOR THE COPPERHEAD PROJECTILE ARE CHANGED AS FOLLOWS:

(A) BALLSTIC MODE SURFACE DANGER ZONE DIAGRAM CONSTRUCTION:

- (1) MAXIMUM RANGE OF SDZ OF 1.1 X TARGET RANGE PLUS 1 KM (E.G. TARGET RANGE OF 3 KM WOULD RESULT IN MAXIMUM RANGE OF 4.3 KM).
- (2) PROHIBITED AREA 4 DEGREES OFF THE GUN TARGET LINE.
- (3) 200 METER BUFFER AREA (AREA A).
- (4) 25 DEGREE OFFSET AT FIRING POSITION FOR BUFFER AREA (NO CHANGE).
- (5) MISSION ESSENTIAL AREA (MEA) 0 TO 45 DEGREES FROM TARGET FROM 1.5 KM - 5 KM FROM TARGET. THE MEA IS INSIDE THE SDZ AND OUTSIDE THE PROHIBITED AREA. ALL PERSONNEL IN MEA MUST WEAR FLACK JACKETS AND HELMETS.

(B) GLIDE MODE SURFACE DANGERZONE DIAGRAM CONSTRUCTION:

- (1) MAXIMUM RANGE OF SDZ OF 1.25 X TARGET RANGE PLUS 1 KM (NO CHANGE).
- (2) PROHIBITED AREA 4 DEGREES OFF THE TARGET AREA, RIGHT AND LEFT OF THE GUN TARGET LINE (NO CHANGE).
- (3) RESTRICTED AREA 6 DEGREES OFF THE TARGET AREA IT IS MEASURED 10 DEGREES RIGHT AND LEFT OF THE GUN TARGET LINE (NO CHANGE).
- (4) 200 METER BUFFER AREA (AREA A) (THIS ELIMINATES THE 8 DEGREE AND 12 DEGREE ANGLES).
- (5) 25 DEGREE OFFSET AT FIRING POSITION FOR BUFFER AREA (NO CHANGE).
- (6) MISSION ESSENTIAL AREA (MEA) 0 TO 45 DEGREES FROM TARGET FROM 1.5 KM - 5 KM FROM TARGET. THE MEA IS INSIDE THE SDZ AND OUTSIDE THE PROHIBITED

AREA (NO CHANGE). ALL PERSONNEL IN MEA MUST WEAR FLACK JACKETS AND HELMETS.

AMMO INFO NOTICE 019-2004: SUBJ: MU74, NSN 1377-01-472-0736 CARTRIDGE ACTUATED INITIATOR JAU73-A (1377-MU74)
WARNING: THE MU74 INITIATOR INTERNAL COMPONENTS MAY BACK OUT DURING REMOVAL OF THE DETONATING CORD ASSEMBLY, FIRING THE ASSEMBLY AND RESULTING IN PERSONNEL INJURY. THE MECHANICS HAVE BEEN WARNED OF THIS CONDITION AND PROVIDED SAFE INSTRUCTIONS
FOR DISCONNECTING THE TWO CADS SHOULD THE INTERNAL INITIATOR COMPONENTS BEGIN TO BACK OUT DURING REMOVAL FROM THE AIRCRAFT. IF THESE TWO CADS ARE RECEIVED CONNECTED, DO NOT ATTEMPT DISASSEMBLY. CONTACT NSW INDIAN HEAD AT CADPADEIQDR@IH.NAVY.MIL <mailto:Cadpadeiqdr@ih.navy.mil> OR BY CALLING (301) 744-2253 OR DSN 354-2253 FOR ASSISTANCE IN SAFELY DISASSEMBLING THESE TWO CADS.

AMMO INFO NOTICE 020-2004: SUBJ: WB02, NSN 1377-01-464-3404 DETONATING CORD ASSEMBLY (1377-WB02)
WARNING: THE MU74 INITIATOR INTERNAL COMPONENTS MAY BEGIN TO BACK OUT DURING REMOVAL OF THE DETONATING CORD ASSEMBLY, FIRING THE ASSEMBLY AND RESULTING IN PERSONNEL INJURY. THE MECHANICS HAVE BEEN WARNED OF THIS CONDITION AND PROVIDED SAFE INSTRUCTIONS FOR DISCONNECTING THE TWO CADS SHOULD THE INTERNAL INITIATOR COMPONENTS BEGIN TO BACK OUT DURING REMOVAL FROM THE AIRCRAFT. IF THESE TWO CADS ARE RECEIVED CONNECTED, DO NOT ATTEMPT DISASSEMBLY. CONTACT NSW INDIAN HEAD AT CADPADEIQDR@IH.NAVY.MIL OR BY CALLING (301) 744-2253 OR DSN 354-2253 FOR ASSISTANCE IN SAFELY DISASSEMBLING THESE TWO CADS.

AMMO INFO NOTICE 021-2004: SUBJ: 2T NAR COMPLIANCE INITIATIVE PROCESS
THIS AIN SUPERSEDES NALC AIN 018-01 (031935Z JAN 01).
THE PURPOSE OF THIS AMMUNITION INFORMATION NOTICE IS TO DISSEMINATE INFORMATION REGARDING THE 2T NAR COMPLIANCE INITIATIVE PROCESS. THE BASIC PREMISE OF THE 2T NAR COMPLIANCE INITIATIVE IS SAFETY AND THE PREVENTION OF INCIDENTS BY ENSURING THAT THE AMMUNITION IS IN THE PROPER CONDITION CODE.
THE PROGRAM MANAGER FOR NAVSEA (2T COG) CONVENTIONAL AMMUNITION HAD TASKED THE 2T COG IN-SERVICE ENGINEERING AGENT (ISEA) WITH THE EXECUTION OF THE 2T COG NAR COMPLIANCE INITIATIVE. SECONDARY PURPOSES OF THE INITIATIVE WERE TO ALSO ESTABLISH BASELINE PERFORMANCE, BUSINESS RULES AND OTHER REQUIREMENTS FOR THE INCLUSION OF AN AUTOMATED NAR COMPLIANCE CAPABILITY INTO THE NOLSC MECHANICSBURG ORDNANCE INFORMATION SYSTEM. COORDINATION IS CURRENTLY ON-GOING TO TRANSITION THE EXECUTION OF THIS EFFORT TO NOLSC MECHANICSBURG PA. BEGINNING NOV 03, NON-COMPLIANCE MESSAGES WILL BE GENERATED BY NOLSC MECHANICSBURG PA USING THE FOLLOWING POLICY.
THE FOLLOWING CORRECTION PROCESS WILL BE UTILIZED.
(A) WHEN A NAR COMPLIANCE ERROR IS FOUND, THE ACTIVITY WITH THE ERROR WILL BE NOTIFIED BY NAVAL MESSAGE WITH A COPY TO COMLANTFLT N411A1, COMPACFLT N42, APPROPRIATE TYCOM, NAVAMMOLOGCEN MECHANICSBURG PA CODE 033, NAVAMMOLOGECEN AMMOPAC AND NAVAMMOLOGCEN AMMOLANT. ALL APPROPRIATE CHAIN OF COMMAND FOR ALL MARINE CORPS AND NAVSPECWAR ACTIVITIES WILL BE INFO COPIED AS APPROPRIATE. THE NAVAL MESSAGE ISSUED WILL IDENTIFY ASSETS THAT ARE REPORTED

VIA CAIMS, ROLMS, PLR DATA OR DCAS LOT DATA THAT

ARE NOT IN COMPLIANCE WITH NAVSUP P-724. ACTIVITIES WILL BE ADVISED TO CORRECT CONDITION CODES VIA THEIR NORMAL CHAIN OF CHANNELS (ATR/TIR) AND INFORM NAVAMMOLOGCEN MECHANICSBURG/033/ AND NAVSURFWARCENDIV CRANE/4022/ WHEN CORRECTIONS HAVE BEEN MADE.

(B) VERIFICATION OF THE CORRECTIVE ACTION WILL BE AT THE NEXT PLR CYCLE. PLR REPORTING ISSUES WILL BE FORWARDED TO COMLANTFLT OR COMPACFLT AS REQUIRED FOR APPROPRIATE ACTION.

(C) REPEAT NOTIFICATIONS FOR THE SAME ERROR WILL BE SO NOTED ON THE NAVAL MESSAGE.

(D) SECOND NOTICES WILL BE SENT TO THE APPROPRIATE TYCOM FOR ACTION.

(E) THIRD NOTICES WILL BE SENT DIRECTLY TO EITHER COMLANTLT OR COMPACFLT, AS APPROPRIATE, FOR ACTION.

AMMO INFO NOTICE 022-2004:

SUBJ: 5 INCH 54 CALIBER PROPELLANT CHARGE (1320-D296,D297,D300, D304,D305,D324, D326)

THIS AIN SUPERSEDES IMSD AIN 057-01 (DTG 151940Z AUG 01).

FOR ALL SHIPS WITH 5 INCH MK 45 GUN WEAPON SYSTEMS:

A COPY OF THIS AIN SHALL BE PROVIDED TO THE CO, XO, CSO, WEPS, GUNNO, STO, LCPO GUNS, LCPO FIRE CONTROL, LPO GUNS AND LPO FIRE CONTROL.

THIS AIN WILL REMAIN IN EFFECT UNTIL REVISION 1 OF SW300 BC-SAF-010 SAFETY MANUAL FOR CLEARING OF LIVE AMMUNITION FROM NAVAL GUNS DTD 01 NOVEMBER 1985 IS RELEASED AND THE SHIP OR ACTIVITY HAS RECEIVED THE REVISED VERSION.

THE FOLLOWING INFORMATION IS BEING DISSEMINATED DUE TO A 110 SECOND IGNITION DELAY INCIDENT REPORTED BY THE USS ROSS VIA MESSAGE 202120Z OCT 98.

THE INCIDENT OCCURRED WITH A 1320-D326, 5 INCH 54 CAL PROPELLING CHARGE.

THE ROOT CAUSE OF THE IGNITION DELAY COULD NOT BE READILY IDENTIFIED. AS A RESULT, TECHNICAL INVESTIGATION (SAMC 1999-0002) WAS INITIATED TO INVESTIGATE AND DETERMINE THE POTENTIAL CAUSE(S) OF THE INCIDENT. THE TECHNICAL INVESTIGATION HAS IDENTIFIED THE ROOT CAUSE OF THE INCIDENT AND CORRECTIVE ACTIONS ARE BEING IMPLEMENTED. UNTIL REVISION 1 TO SW300 BC-SAF-010 SAFETY MANUAL FOR CLEARING OF LIVE AMMUNITION FROM NAVAL GUNS DTD 01 NOVEMBER 1985 IS RECEIVED, MODIFY THE 5" MK 45 GUN SW300 BC-SAF-010 SAFETY MANUAL FOR CLEARING OF LIVE AMMUNITION FROM NAVAL GUNS DTD 01 NOVEMBER 1985 HANGFIRE AND HOT GUN PROCEDURES AS FOLLOWS:

(A) CHANGE CHAPTER 3, SECTION 3-4, PARAGRAPH 3-59 TO READ - SINCE THE DANGER OF A HANGFIRE EXISTS, DO NOT OPEN THE BREECHBLOCK FOR 10 MINUTES IN A COLD GUN AND 3 HOURS IN A HOT GUN AFTER ANY UNSUCCESSFUL ATTEMPT TO FIRE. DO NOT USE INTERNAL OR EXTERNAL WATER COOLING. - THE 10 MINUTE COLD GUN WAIT PERIOD AND 3 HOUR HOT GUN WAIT PERIOD APPLIES TO ALL 5 INCH MK 45 GUNS AND ALL 5 INCH 54 PROPELLING CHARGES.

(B) CHANGE PARAS 3-69.2.F., 3-69.3.C.(2) AND 3-69.3.E.(2) TO READ: STAY CLEAR OF THE GUN UNTIL A PROPELLANT COOK-OFF

OCCURS OR A PERIOD OF 3 HOURS HAS ELAPSED. IF COOK-OFF DOES NOT OCCUR, AFTER GUN HAS COOLED FOR 3 HOURS, CLEAR GUN ACCORDING TO COLD GUN PROCEDURE IN PARAGRAPH 3-70.

(C) CHANGE PARAS 3-73.2.F. AND 3-73.3.A.(2) TO READ: STAY CLEAR OF THE GUN UNTIL A PROPELLANT COOK-OFF OCCURS OR A PERIOD OF 3 HOURS HAS ELAPSED. IF COOK-OFF DOES NOT OCCUR, AFTER GUN HAS COOLED FOR 3 HOURS, FOLLOW COLD GUN IN-BORE EXPLOSION PROCEDURE, PARAGRAPH 3-74.

(D) CHANGE FIGURE 3-5. HOT GUN MISFIRE PROCEDURES AND SAFETY TIME SCHEDULE FOR 5-INCH 54-CALIBER GUNS MARK 45 MODS 0 AND 1.:

(1). CHANGE FROM: STAY CLEAR OF GUN UNTIL COOK-OFF OCCURS OR A MINIMUM OF 2 HOURS HAS ELAPSED. CHANGE TO READ: STAY CLEAR OF THE GUN UNTIL A PROPELLANT COOK-OFF OCCURS OR A PERIOD OF 3 HOURS HAS ELAPSED.

(2). CHANGE FROM: 2 HOURS MINIMUM, CHANGE TO READ: 3 HOURS.

THE HAZARDS TO PERSONNEL ENGAGED IN EITHER INTERNAL OR EXTERNAL WATER-COOLING PROCESS RESULTING FROM AN IGNITION DELAY OF UNKNOWN DURATION ARE SUCH THAT NEITHER INTERNAL NOR EXTERNAL WATER-COOLING SHALL BE UTILIZED. DO NOT PERFORM BARREL COOLING DEFINED IN PARA 3-69.3.A.

AFTER THE 10-MINUTE WAIT TIME FOR A COLD GUN, PROCEED WITH COLD GUN CLEARING PROCEDURES IAW SW300 BC-SAF-010 SAFETY MANUAL FOR CLEARING OF LIVE AMMUNITION FROM NAVAL GUNS DTD 01 NOVEMBER 1985.

IMPORTANT TO NOTE THAT THE MINIMUM SAFE TIME TO RETURN TO A HOT GUN IS NOW 3 HOURS VICE 2 HOURS.

IN A HOT GUN, ONCE THAT IT HAS BEEN DETERMINED THAT A MISFIRE HAS OCCURRED, THAT IS THE THIRD ATTEMPT TO FIRE THE GUN HAS FAILED, PROCEED AS FOLLOWS IAW SW300 BC-SAF-010 SAFETY MANUAL FOR CLEARING OF LIVE AMMUNITION FROM NAVAL GUNS DTD 01 NOVEMBER 1985:

(A) STOP ALL ATTEMPTS TO CLEAR GUN.

(B) IF BREECHBLOCK CAN BE CLOSED, CLOSE BREECHBLOCK.

(C) ENSURE CRADLE AND EMPTY CASE TRAY ARE IN THE FIRE POSITION.

(D) REMOVE AMMUNITION FROM THE UPPER GUN.

(E) CLEAR ALL PERSONNEL FROM GUN AND ADJACENT SPACES.

(F) STAY CLEAR OF GUN UNTIL A PROPELLANT COOK-OFF OCCURS OR A PERIOD OF 3 HOURS HAS ELAPSED. IF COOK-OFF DOES NOT OCCUR, AFTER GUN HAS COOLED FOR 3 HOURS, CLEAR GUN ACCORDING TO APPLICABLE COLD GUN PROCEDURES OF SW300 BC-SAF-010 SAFETY MANUAL FOR CLEARING OF LIVE AMMUNITION FROM NAVAL GUNS DTD 01 NOVEMBER 1985.

IN A HOT GUN CONDITION, MAINTAIN GUN ON A SAFE FIRE BEARING AND RANGE UNTIL A PROPELLANT COOK-OFF OCCURS OR GUN HAS

COOLED FOR 3 HOURS. REMOTE FIRE CONTROL POINTING PREFERRED. REMOTE PROVIDES STABILIZED POINTING CONTROL.

TURN OFF FIRING CIRCUIT ONCE MISFIRE LIGHT IS ON AND

GUN DOES NOT FIRE. DO NOT LEAVE FIRING CIRCUIT ENERGIZED LONGER THAN SEVEN SECONDS IN ANY MODE.

ALL OTHER REQUIREMENTS OF SW300 BC-SAF-010 SAFETY MANUAL FOR CLEARING OF LIVE AMMUNITION FROM NAVAL GUNS DTD 01 NOVEMBER 1985 APPLY.

AMMO INFO NOTICE 023-2004:

SUBJ: REINTRO- Duction AN-SSQ-53D, NIIN 5845012899058 (5845-8W72)

THE SONOBUOY PROGRAM OFFICE IS RE-INTRODUCING THE AN/SSQ-53D (8W72) SONOBUOY FOR FLEET USAGE. THE NEW PRODUCTION AN/SSQ-53D UNITS ARE STILL IDENTIFIED BY NALC 8W72, BUT HAVE LOT NUMBERS IN THE 100 SERIES. ALL THE NEW UNITS CAN BE IDENTIFIED WITH AN AMMUNITION LOT NUMBER (ALN) UTILIZING A 100 SERIES. AN EXAMPLE OF THIS WOULD BE ALN UND03L003-101. ADDITIONALLY, THE EXPIRATION DATE INDICATED ON THE BAR CODES, PALLETS AND SONOBUOY LAUNCH CONTAINERS (SLC) WILL BE FIVE YEARS FROM MANUFACTURE AND HAVE NO SERVICE LIFE EXTENSIONS THAT WERE PREVIOUSLY APPLIED TO THE OLDER 8W72 S. FUTURE LOTS WILL CONTINUE TO HAVE A 100 SERIES ATTACHED TO THE ALN AND A NEW EXPIRATION DATE.

ACTIVITIES IN RECEIPT OF NEW PRODUCTION AN/SSQ-53D (NALC-8W72) SONOBUOYS SHOULD TAKE CARE NOT TO CONFUSE THE NEW UNITS WITH OLDER UNITS THAT HAVE BEEN CONDEMNED BY NAR 0590-03.

AMMO INFO NOTICE 024-2004:

SUBJ: REWORKED AN-SSQ-77A (CZ), NIIN 5845013279210 (5845-8W75)

THE SONOBUOY PROGRAM OFFICE IS REWORKING SOME AN/SSQ-77A (CZ) (8W75) UNITS TO EXTEND USABLE SERVICE LIFE. THE REWORKED AN/SSQ-77A (CZ) UNITS ARE STILL IDENTIFIED BY NALC 8W75, BUT HAVE LOT NUMBERS IN THE 100 SERIES. ALL THE REWORKED UNITS WILL BE FROM ONE VENDOR, IDENTIFIED WITH AN AMMUNITION LOT NUMBER (ALN) BEGINNING WITH SPW. FOR EXAMPLE THE FIRST REWORKED LOT ALN IS: SPW03L003-101. ADDITIONALLY, THE EXPIRATION DATE INDICATED ON THE BAR CODES, PALLETS AND SONOBUOY LAUNCH CONTAINERS (SLC) HAS BEEN UPDATED. FUTURE REWORKED LOTS WILL CONTINUE TO HAVE A 100 SERIES IN THE ALN AND A NEW EXPIRATION DATE. THE EXPIRATION DATE INDICATED ON THE BAR CODES, PALLETS AND SONOBUOY LAUNCH CONTAINERS (SLC) WILL BE FIVE YEARS FROM MANUFACTURE AND HAVE NO SERVICE LIFE EXTENSIONS THAT WERE PREVIOUSLY APPLIED TO THE OLDER 8W75 S.

ACTIVITIES IN RECEIPT OF REWORKED AN/SSQ-77A (CZ) (NALC 8W75) SONOBUOYS SHOULD TAKE CARE NOT TO CONFUSE THE REWORKED UNITS WITH OLDER UNITS THAT HAVE BEEN CONDEMNED BY NAR 0889-02.

AMMO INFO NOTICE 025-2004:

SUBJ: CARTRIDGE, 81MM ILLUM (1315-C871)

REQUEST A COPY OF THIS AIN BE PROVIDED TO ALL UNITS FIRING 81MM M853A1 ILLUMINATING CARTRIDGES (DODIC C871) AND TO UNITS USING 81MM M252 MORTAR SYSTEM. THIS AIN WILL BE UPDATED OR RESCINDED AS NEW INFORMATION BECOMES AVAILABLE.

THIS AIN IS BEING TRANSMITTED TO WARN USERS OF POTENTIAL FIN BREAK-UP WHEN FIRING FOLLOWING LOTS.

PB-01F001-001 PB-01G001-002 PB-01G001-003
PB-01G001-004 PB-01G001-005 PB-01H001-006

DURING A RECENT M752A1 IGNITION CARTRIDGE STATIC PRESSURE TEST SET-UP, THE M29 FIN HOLDING THE M752A1 IGNITION CARTRIDGE, EXHIBITED A CATASTROPHIC FAILURE (FIN BREAK-UP). THE MEASURED PRESSURE WHICH WAS APPROXIMATELY 14,000 PSI SHOULD NOT HAVE BEEN SUFFICIENT TO RUPTURE THE FIN. AN INVESTIGATION IS ONGOING TO DETERMINE THE EXACT

CAUSE(S) OF THE FIN BREAK-UP.

THERE IS A POTENTIAL OCCURRENCE OF SHORT ROUND, MISFIRE, AND/OR DOUBLE LOADING WHEN THE FIN BREAKS APART DURING FIRING OF THE SUBJECT LOTS.

THE MORTAR TUBE SHOULD BE CLEARED WHEN SHORT ROUND OR MISFIRE OCCURS TO PREVENT DOUBLE LOADING. FIRING UNITS SHOULD BE ADVISED OF AUDIBLE INDICATION OF FIN SEPARATION INSIDE THE TUBE OR VISUAL TUMBLING AND/OR ROUND WHISTLING AS IT GOES DOWNRANGE.

AMMO INFO NOTICE 026-2004:

SUBJ: SAFETY, OF USE, OPERATIONAL USE OF MK 19 MOD 3 MACHINE GUN (1310-B542, B571,B576,B584)

THIS AIN SUPERSEDES NALC AIN 059-02 (DTG 251940Z SEP 02).

A COPY OF THIS AIN WILL BE PROVIDED TO ALL ORGANIZATIONS AND PERSONNEL UTILIZING THE MK 19 MOD 3 MACHINE GUN.

BASED ON THE NUMBER OF MALFUNCTIONS AND RECENT INJURIES TO PERSONNEL USING THE MK 19 MOD 3 MACHINE GUN, IT HAS BEEN DETERMINED THAT CERTAIN WARNINGS LISTED IN TM-9-1010-230-10/MC TM 08521-10/1A (OPERATORS MANUAL FOR MACHINE GUN, 40MM MK 19, MOD 3) BE REITERATED. PERSONNEL WILL FOLLOW ALL WARNINGS PERTAINING TO USE OF THIS WEAPON THAT ARE CONTAINED IN THE OPERATORS MANUAL. TO PREVENT INJURY TO PERSONNEL USING OR IN THE CLOSE PROXIMITY (I.E. WITHIN 20 METERS) TO THE WEAPON WHEN FIRING, THE FOLLOWING PRECAUTIONS WILL BE CLOSELY FOLLOWED:

- (A) AMMUNITION IS RESTRICTED TO M385 (B576), M918 TP (B584), M383 HE (B571), M281 TP (BA12) AND M430 HEDP (B542).
- (B) DO NOT FIRE HIGH-EXPLOSIVE AMMUNITION AT TARGETS LESS THAN 310 METERS AWAY DURING TRAINING OR 75 METERS AWAY DURING COMBAT. FRAGMENTATION CAN REACH THE GUNNER POSITION AT DISTANCES LESS THAN 310 METERS.
- (C) HELMETS, BODY ARMOR, SINGLE HEARING PROTECTION AND EYE PROTECTION SHALL BE WORN BY THE GUNNER AND ALL PERSONNEL IN CLOSE PROXIMITY TO THE WEAPON WHEN FIRING. ADDITIONALLY, SLEEVES SHALL BE ROLLED DOWN AND GLOVES SHALL BE WORN. ALL PERSONNEL WITHIN 310 METERS OF A POTENTIAL IMPACT OF M383 HE, M430 HEDP OR M918 TP AMMUNITION MUST WEAR A HELMET AND A FLACK JACKET.
- (D) WHEN USING HIGH EXPLOSIVE (HE), HIGH EXPLOSIVE DUAL PURPOSE (HEDP), OR TRAINING PRACTICE (TP) AMMUNITION BE ALERT TO ANY OF THESE THREE DANGER SIGNALS. ANY OF THESE SYMPTOMS COULD MEAN A BORE OBSTRUCTION:
 - (1) A MUFFLED REPORT FROM THE GUN.
 - (2) SMOKE AND DEBRIS FROM THE BOTTOM OF THE RECEIVER.
 - (3) FEED STOPPAGE AND OR FAILURE OF THE PROJECTILE TO LEAVE THE MUZZLE.
- (E) THE WEAPON WILL BE IMMEDIATELY INSPECTED UPON ANY MALFUNCTION, STOPPAGE, OR ANY UNUSUAL OPERATION OCCURRENCE DURING FIRING. WHEN RECHARGING IS REQUIRED TO CONTINUE, STOP FIRING IMMEDIATELY. DO NOT, REPEAT, DO NOT ATTEMPT TO RELOAD AND FIRE WEAPON WITHOUT CHECKING THE BARREL FOR OBSTRUCTION OF PREVIOUS ROUND. FAILURE

TO DO SO MAY CAUSE INBORE DETONATION AND PERSONAL INJURY. CLEAR WEAPON, CHECK FEEDER BOLT AND RECEIVER FOR DAMAGE AND OR UNUSUAL DEBRIS. REMOVE BOLT AND BACKPLATE ASSEMBLY AND LOOK THROUGH RECEIVER AND BARREL FOR DAMAGE AND OBSTRUCTIONS. IF THE WEAPON IS DAMAGED, REPORT TO YOUR ARMORER. IF THE BARREL IS OBSTRUCTED, FOLLOW LOCAL SOP TO REMOVE OBSTRUCTION.

- (F) NO LINKED CARTRIDGE WILL BE CYCLED MORE THAN ONCE. IF A CARTRIDGE HAS BEEN CYCLED, OR SUSPECTED TO HAVE BEEN CYLCED, AND NOT FIRED DUE TO DEBULLETING, MISFIRE, OR ANY OTHER REASON, EOD WILL BE NOTIFIED TO DESTROY CARTRIDGES.
- (G) USE OF THE ROUND REMOVAL TOOL IS LIMITED TO M430 HEDP (B542), M385 PRACTICE (B576), AND M918 TP (B584) AMMUNITION. DO NOT REMOVE M383 HE (B571) PROJECTILES WITH THE ROUND REMOVAL TOOL. ONLY TRAINED AND QUALIFIED PERSONNEL SHOULD ENGAGE IN THE REMOVAL AND RECOVERY OF THE ROUND.
- (H) WHEN FIRING THE M918 TP, THERE IS A MINIMAL POSSIBILITY FOR INJURY TO GUN CREW DUE TO BLOWBACK OF PLASTIC FROM THE CAPSULE CONTAINING THE SPOTTING CHARGE.

WHEN TRAINING:

- (A) WHEN ENGAGING TARGETS BETWEEN 75 AND 310 METERS IN TRAINING, USE 40MM PRACTICE AMMO ONLY.
- (B) TRAIN TO ENGAGE TARGETS AT RANGES GREATER THAN 75 METERS.
- (C) TRAIN TO AVOID FIRING THROUGH OBSTRUCTIONS; E.G., WIRES, ANTENNAS, ETC.

TO PRECLUDE UNINTENTIONAL IMPACTS OF HE/HEDP AMMO AT RANGES LESS THAN 310 METERS WHILE TRAINING:

- (A) WHEN FIRING FROM STATIONARY POSITIONS OVER LEVEL TERRAIN, USE GUNNER QUADRANT AND MK 64 MOD 7 MOUNT DEPRESSION STOP TO KEEP THE MINIMUM ELEVATION ABOVE 30 MILS.
- (B) WHEN FIRING FROM THE HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLE (HMMWV) M1025/1026 ARMAMENT CARRIER AND THE M998T INTERIM SQUAD CARRIER:
 - (1) WHEN FIRING ON THE MOVE OVER PAVED AND IMPROVED ROADS IN GOOD CONDITION, SPEED IS RESTRICTED TO NOT GREATER THAN 10 MPH.
 - (2) WHEN FIRING ON THE MOVE OVER ROUGH ROADS, TRAILS, AND CROSS-COUNTRY SPEED IS RESTRICTED TO NOT GREATER THAN 5 MPH.

- (C) WHEN FIRING FROM THE M113 AND M106 FAMILY OF ARMORED CARRIERS AND THE M88A1 TRACKED RECOVERY VEHICLE:
 - (1) WHEN FIRING ON THE MOVE OVER ROADS, TRAILS, AND CROSS-COUNTRY SPEED SHALL BE RESTRICTED TO NOT GREATER THAN 10 MPH.

(2) WHEN FIRING ON THE MOVE FROM ANY VEHICLE, RANGE FIRING PROCEDURES AND PHYSICAL SET-UP MUST BE ADEQUATE TO PREVENT ROUND FROM IMPACTING CLOSER THAN 310 METERS FROM THE FIRING VEHICLE, OTHER SHALL BE PERFORMED PRIOR TO, DURING AND AFTER OPERATIONS. ALL BOLTS MUST BE PRESENT WITH THE NUTS FIRMLY TIGHTENED PRIOR TO FIRING.

(D) NOTE: MOUNTING OF THE MK 19 MOD 3 GRENADE MG ON THE M113, M106, AND M88A1 IS PROHIBITED UNTIL BRACKET TRAVEL LOCK ADAPTERS (CURRENTLY IN FINAL DEVELOPMENT) ARE AVAILABLE THROUGH REQUISITION AT THE UNIT LEVEL.

THE FOLLOWING RESTRICTIONS REGARDING OPERATION OF THE MK 19 MOD 3 WITH OPEN HATCHES APPLY (WEAPON FLASH IS SUFFICIENT TO CAUSE BURNS AND IGNITE FLAMMABLE MATS; CONTACT WITH A FIRED PROJECTILE WOULD NOT RESULT IN ROUND FUNCTION, BUT WOULD RESULT IN A SERIOUS INJURY OR DEATH).

(A) ON THE M113 AND M106 SERIES ARMORED CARRIERS:

- (1) FIRING OVER OPEN HATCHES IS PROHIBITED
- (2) THE DRIVER'S HATCH MUST BE CLOSED WHEN FIRING OFF THE LEFT SIDE, FORWARD, OR OFF THE RIGHT SIDE OF THE VEHICLE, AND WHEN PERSONNEL AND OBJECTS IN HATCH AREAS ARE FORWARD OF THE WEAPON MUZZLE.

(B) ON THE M88A1 MEDIUM TRACKED RECOVERY VEHICLES:

- (1) FIRING OVER OPEN HATCHES IS PROHIBITED.
- (2) THE OPERATOR AND MECHANIC HATCHES MUST BE CLOSED WHEN FIRING OFF THE LEFT SIDE, FORWARD, OR RIGHT SIDE OF THE VEHICLE.
- (3) THE PERSONNEL DOORS ON THE VEHICLE SIDES MAY REMAIN OPEN DURING FIRING FORWARD OR TO THE REAR, BUT SHOULD BE CLOSED WHEN FIRING TO THE LEFT OR RIGHT OF THE VEHICLE.

CHANGES TO THE OPERATOR AND TECHNICAL MANUALS TO REFLECT THE SAFETY PRECAUTIONS IDENTIFIED IN THIS MESSAGE ARE EITHER IN PLACE AS OF THIS WRITING, OR WILL BE SUBMITTED VIA DA FORM 2028 CHANGE PROCESS TO THE APPROPRIATE MANUALS.

AMMO INFO NOTICE 027-2004:

SUBJ: POSSIBLE, MISALIGNED HINGE PIN ON M49A1 TRIP FLARE (1370-L495)

THIS AIN SUPERSEDES IMSD AINS 024-98/013-00 (DTGS 031935Z SEP 98, 141935Z JAN 00).

A COPY OF THIS AIN WILL BE DISSEMINATED TO ALL UNITS BEING ISSUED THE SURFACE TRIP FLARE M49A1. UNITS BEING SUPPORTED BY EOD ARE REQUIRED TO PROVIDE EOD WITH A COPY OF THIS AIN.

BASED ON NUMEROUS MALFUNCTIONS AND INJURIES USING THE SURFACE TRIP FLARE M49A1 (L495), PERSONNEL WILL FOLLOW ALL WARNINGS LISTED IN THE OPERATOR'S MANUAL (TM 9-1370-208-10). CERTAIN WARNINGS IN THE OPERATOR'S MANUAL WILL BE REITERATED AND ADDITIONAL CRITERIA/INFORMATION REGARDING COVER LOADING ASSEMBLY SEPARATION IS PRESENTED IN THIS AIN.

VISUAL INSPECTION. UPON RECEIVING PREVIOUSLY UNISSUED OR FIELD-RETURNED M49A1 FLARES, THE FOLLOWING PRECAUTIONS MUST BE FOLLOWED:

- (A) UPON REMOVAL OF THE FLARE FROM ITS

PACKAGING, DO NOT REMOVE ANY OF THE FLARE'S COMPONENTS BEFORE OR DURING INSPECTION. INSPECT FOR THE FOLLOWING:

- (1) SAFETY CLIPS PROPERLY ENGAGED IN THEIR HOLES.
- (2) STRAIGHTNESS OF THE PULL PIN.
- (3) ALIGNMENT OF THE HINGE PIN HOLDING THE STRIKER, BOTH ENDS SECURELY IN THEIR HOLES.
- (4) HEAVY CORROSION OF THE COVER LOADING ASSEMBLY.
- (5) COVER LOADING ASSEMBLY SEPARATION. REFER TO PARAGRAPH 5(B) OF THIS AIN.
- (6) DEFORMED FLARE AND/OR BRACKET.
- (7) ABILITY OF TRIGGER TO ROTATE COUNTERCLOCKWISE AND RETURN TO THE ORIGINAL POSITION WHEN RELEASED.
- (8) LEGIBILITY OF THE LOT NUMBER.
- (B) THE COVER-TO-CASE SEALANT MAY BE PARTIALLY OR FULLY DISBONDED AROUND THE CIRCUMFERENCE, RESULTING IN COVER SEPARATION.
 - (1) ATTEMPTING TO USE AN M49A1 FLARE WITH COVER SEPARATION MAY RESULT IN PREMATURE IGNITION DURING HANDLING AND SETUP, ESPECIALLY IF THE SAFETY CLIP HAS ALREADY BEEN REMOVED.
 - (2) THERE ARE SENSITIVE COMBUSTIBLE COMPONENTS WITHIN THE M49A1 FLARE THAT SHOULD NOT BE EXPOSED IF COVER SEPARATION IS PRESENT.
 - (3) IF PARTIAL OR FULL DISBONDED SEAL IS FOUND, SECURE THE CIRCUMFERENCE OF THE COVER-TO-CASE JOINT WITH FABRIC TAPE.

WARNINGS:

- (A) DO NOT REMOVE THE COVER FROM THE CASE.
- (B) DO NOT FORCEFULLY PUSH THE COVER BACK INTO THE CASE.
- (C) DO NOT USE PLASTIC (OFFICE OR PACKING) TAPE TO SECURE THE COVER (DUE TO THE POSSIBLE STATIC CHARGE).
- (D) DO NOT REMOVE THE FLARE FROM ITS MOUNTING BRACKET.
- (E) DO NOT REMOVE ANY OF THE FLARES COMPONENTS TO ENSURE A TIGHT SEAL WHEN SECURING WITH TAPE.
- (4) SECURELY PACK A DEFECTIVE ROUND IN A SEALED AND PROPERLY MARKED CONTAINER. THE STORAGE ACTIVITY WILL LOCALLY DOWNGRADE THE DEFECTIVE ROUND TO CONDITION CODE HOTEL AND ASSIGN IT DEFECT CODE HSEZ0X.

WARNING:

IF A FLARE IS UNABLE TO PASS THE INSPECTION CRITERIA OF PARAGRAPH 5.A, IMMEDIATELY FORWARD THE FLARE TO EOD AND REPORT IN ACCORDANCE WITH THE LATEST REVISION OF MCO 8025.1, MALFUNCTION AND DEFECT REPORTING FOR MARINE CORPS AND OPNAVINST 5102.1, MISHAP INVESTIGATION AND REPORTING FOR NAVY.

FUNCTIONING. COMMON PROBLEMS EXPERIENCED WITH FUNCTIONING THE M49A1 SURFACE TRIP FLARE INCLUDE DUDS AND MISFIRES DUE TO USER ERROR.

- (A) THERE ARE TWO METHODS TO INITIATE THE M49A1 FLARE:

- (1) THE PULL PIN METHOD.
- (2) THE TRIGGER METHOD.
- (B) THE M49A1 WAS NOT DESIGNED TO DO THE FOLLOWING:
 - (1) BE INITIATED AND THROWN LIKE A GRENADE.
 - (2) BE INITIATED, THEN TOSSED INTO A CONTAINER OR AMMO CAN. DOING SO WILL RESULT IN EITHER A HIGH DUD OR MISFIRE RATE. THE M49A1 WAS DESIGNED TO BE INITIATED BY A TRIP WIRE.
- (C) UPON REMOVING THE FLARE FROM ITS BRACKET, PRESS AND HOLD THE LEVER FIRMLY AGAINST THE FLARE BODY.
- (D) UPON REMOVING THE SAFETY CLIP FROM THE HOLES IN THE COVER LOADING ASSEMBLY, PRESS AND HOLD THE LEVER FIRMLY AGAINST THE FLARE BODY. RETAIN THE CLIP FOR POSSIBLE REUSE.

WARNING:

WHEN USING THE TRIGGER METHOD TO ARM THE FLARE, CHECK TO BE SURE THAT THE TRIGGER WILL HOLD THE LEVER. IF IT APPEARS THE TRIGGER WILL NOT HOLD THE LEVER, REPLACE THE SAFETY CLIP AND FORWARD THE FLARE TO EOD.

- (E) TRIGGER METHOD. SLOWLY RELEASE THE PRESSURE ON THE LEVER UNTIL IT RESTS AGAINST THE TRIGGER.

WARNING:

THE FLARE IS NOW ARMED AND ANY MOVEMENT OF THE TRIGGER WILL INITIATE THE FLARE.

DISARMING. IF THE FLARE MUST BE DISARMED FOR ANY REASON, PRESS AND HOLD THE LEVER AGAINST THE FLARE BODY.

- (A) PUSH THE FLARE BACK DOWN INTO ITS MOUNTING BRACKET.
- (B) REMOVE THE PULL PIN AND REINSTALL THE SAFETY CLIP, ENSURING THAT BOTH SIDES OF THE SAFETY CLIP ARE PROPERLY ENGAGED IN THE HOLES.

AMMO INFO NOTICE 028-2004:

SUBJ: .50 CALIBERSHORT RANGE TRAINING AMMUNITION (1305-A602)
THIS AIN SUPERSEDES IMSD AIN 010-95 (141935Z DEC 94).
THIS AIN APPLIES TO DODIC A602, CARTRIDGE, CALIBER .50,
LINKED FOUR BALL M858/ ONE TRACE M860.

THE DODIC A602 CARTRIDGE CONFIGURATION PRODUCES HIGHER TOXIC FUME LEVELS THAN STANDARD .50 CALIBER ROUNDS. WHEN FIRING THE .50 CALIBER SRTA (A602), FROM UNVENTILATED OR POORLY VENTILATED ENCLOSED AREAS, PERSONNEL ARE LIMITED TO AN EXPOSURE TIME OF FIVE MINUTES PER HOUR DUE TO HIGH LEVELS OF CARBON MONOXIDE AND AMMONIA. THERE IS NO RESTRICTION WHEN FIRING IN OPEN TERRAIN OR ON RANGES WITH ADEQUATE VENTILATION.

THE DODIC A602 CARTRIDGE CONFIGURATION REQUIRES THE USE OF THE M3RA BARREL. DO NOT ATTEMPT TO LOAD AND/OR FIRE STANDARD .50 CALIBER ROUNDS WITH THE M3RA BARREL INSTALLED. SERIOUS PERSONNEL INJURY AND/OR SEVERE EQUIPMENT DAMAGE MAY RESULT.

THIS INFORMATION WILL BE INCLUDED IN THE NEXT UPDATE OF SW010-AD-GTP-010.

AMMO INFO NOTICE 030-2004:

SUBJ: BATTERY STORAGE (6140-FW14)

THIS AIN DISSEMINATES INFORMATION PERTAINING TO THE FW14, 6 VOLT BATTERY, 6140-01-334-0724, USED IN THE FLU-8B/P AUTOMATIC INFLATOR DEVICE. THE FW14 BATTERY REQUIRES STORAGE BETWEEN 40 AND 80 DEGREES FAHRENHEIT TO ASSURE SERVICEABILITY. ANY BATTERY SHOWING EVIDENCE OF CORROSION SHALL NOT BE USED. LOCALLY RECLASSIFY CORRODED BATTERIES TO CONDITION CODE HOTEL FOR DISPOSITION.

AMMO INFO NOTICE 031-2004:

SUBJ: DETAILS FOR PROPER REINSTALLATION OF JAVELIN ROUNDS IN PLASTIC SHIPPING AND STORAGE CONTAINER (1427-PL53,PL64)

THIS AIN WILL BE ISSUED TO STORAGE FACILITIES AND UNITS THAT USE JAVELIN MISSILE SYSTEMS AND ASP PERSONNEL THAT RELOAD JAVELIN MISSILES INTO PLASTIC SHIPPING AND STORAGE CONTAINERS.

NUMEROUS FIELD REPORTS AND INSPECTIONS FROM OPERATION IRAQI FREEDOM (OIF) IDENTIFIED JAVELIN LAUNCH TUBES HAVE SUSTAINED DAMAGE FROM BEING PUT BACK INTO THEIR RESPECTIVE PLASTIC SHIPPING AND STORAGE CONTAINERS BACKWARDS. TO AVOID DAMAGE TO THE LAUNCH

TUBE, SHIPPING AND STORAGE CONTAINER, AND THE ROUND CUSHION CONTAINER ASSEMBLY, THE AFT END SHOULD BE INSERTED INTO THE SHIPPING AND STORAGE CONTAINER FIRST.

THE FOLLOWING STEPS SHOULD BE FOLLOWED BY PERSONNEL PREPARING TO REPACK THE JAVELIN MISSILES AT ANY TIME. THIS PROCEDURE IS FOR PLASTIC SHIPPING AND STORAGE CONTAINERS ONLY, NOT METAL CONTAINERS.

- (1) OPEN SECURING STRAPS.
- (2) OPEN ROUND CUSHION CONTAINER ASSEMBLY AND PLACE JAVELIN ROUND IN IT WITH THE FORWARD ENDCAP AT FORWARD END OF ROUND CUSHION CONTAINER ASSEMBLY. THE FORWARD END OF THE ROUND IS NEAREST TO THE BCU AND VIKING CONNECTOR AND THE FORWARD END OF THE ROUND CUSHION CONTAINER ASSEMBLY IS WHERE THE ROUND REMOVAL STRAP IS PRESENT. ENSURE THE ROUND REMOVAL STRAP IS ROUTED THROUGH THE CUTOUTS IN THE FOAM CUSHION ASSEMBLY AND OVER THE FORWARD ENDCAP OF THE TACTICAL ROUND. TAKE UP SLACK IN THE ROUND REMOVAL STRAP TO PREVENT INTERFERENCE WITH THE REMOVABLE ENDCAP SEALING SURFACES.
- (3) CLOSE ROUND CUSHION CONTAINER ASSEMBLY AND FASTEN THE SECURING STRAPS.
- (4) LOAD THE MISSILE BY KEEPING THE BLACK ROD OF THE ROUND CUSHION ASSEMBLY AT THE TWELVE O'CLOCK POSITION, AND PUT THE AFT END OF THE ROUND IN FIRST SO THAT AFTER IT IS LOADED, THE ROUND REMOVAL STRAP WILL BE FACING OUT. WHILE LOADING, ALIGN GROOVES AND SLIDE THE ROUND CUSHION CONTAINER ASSEMBLY INTO ROUND SHIPPING AND STORAGE CONTAINER UNTIL FULLY SEATED.
- (5) REPLACE DESICCANT AS REQUIRED.
- (6) PLACE REMOVABLE ENDCAP FOAM AND DESICCANT INTO REMOVABLE ENDCAP ASSEMBLY OF THE SHIPPING AND STORAGE CONTAINER.
- (7) PLACE REMOVABLE ENDCAP ASSEMBLY ON MISSILE CONTAINER AND CLOSE FOUR LATCH ASSEMBLIES.
- (8) TURN VENT VALVE CLOCKWISE TO THE CLOSED POSITION AND TIGHTEN SECURELY.

AMMO INFO NOTICE 032-2004:

SUBJ: AUTOMATED REPORT OF SHIPMENT REPSHIP REGISTRATION
THIS AIN APPLIES TO US MARINE CORPS ONLY.

THIS AIN ESTABLISHES PROCEDURES FOR REGISTERING FOR THE AUTOMATED REPSHIP, EXPECTED TO COMMENCE 22 SEP 03. TO CONSIGNEES RECEIVING SHIPMENTS FROM JMC SITES, REGISTRATION INTO THE JMC MUNITIONS TRANSPORTATION MANAGEMENT SYSTEM (MTMS)

IS ESSENTIAL IN ORDER TO RECEIVE AUTOMATED REPSHIPS. THIS IS A MANDATORY PROCESS AS HARD-COPY REPSHIPS, INITIALLY FROM THE JMC DEPOTS, WILL BE ELIMINATED. THOSE REGISTERING ARE STRONGLY ENCOURAGED TO USE AN OFFICE E-MAIL ADDRESS ILO A PERSONAL MAILBOX AND SAVE E-MAIL REPSHIPS RECEIVED FOR AUDITING PURPOSES.

TO REGISTER, ENTER OR CLICK ON THE FOLLOWING WEBSITE AND FOLLOW LOGIN INSTRUCTIONS:

<https://www6.osc.army.mil/mtms2000/LoginServlet>

CHOOSE THE "IF YOU ARE A NEW USER, CLICK HERE," OPTION.

IF YOU ARE A CONSIGNEE OR RESPONSIBLE FOR REQUISITIONING AMMUNITION, IN ORDER FOR YOU TO RECEIVE AN AUTOMATED REPSHIP, REGISTRATION IN MTMS IS REQUIRED. YOU MUST SELECT "MILITARY CUSTOMER, REQUISITIONER" FROM THE USER TYPE DROP-DOWN MENU. IF YOU ARE ALREADY REGISTERED AS "MILITARY CUSTOMER, REQUISITIONER," BUT INITIALLY INDICATED YOU DID NOT WANT TO RECEIVE E-MAILS FROM MTMS BUT NOW DESIRE REPSHIPS, YOU CAN CHANGE YOUR PROFILE BY CLICKING ON "CHANGE USER PROFILE" ON THE LOGIN SCREEN AND CHECKING "RECEIVE E-MAIL UPDATES".

INITIALLY, ALL JMC DEPOTS UTILIZING THE MTMS FIELD MODULE WILL BE SENDING INFORMATION ON CONUS AND OCONUS SHIPMENTS AUTOMATICALLY BY WAY OF VARIOUS USER-TRANSPARENT FEEDS. SINCE OUR AMMUNITION PLANTS DO NOT HAVE THE MTMS FIELD MODULE, HQ MTMS WILL NOT BE GETTING ACTUAL PIECES, WEIGHTS AND CUBES FROM THEM ON ANY CONUS SHIPMENTS. UNTIL A DATA FEED IS SET UP WITH OUR PLANTS, REPSHIP FREIGHT INFORMATION WILL BE ESTIMATED VALUES.

POC AT HQ JMC IS RONDA HULBERT, AMSJM-TT, DSN 793-5879, COMM: (309) 782-5879, EMAIL HULBERTR@OSC.ARMY.MIL.

AMMO INFO NOTICE 033-2004:

SUBJ: RECEIPT AND USE OF G874 FUZES MANUFACTURED BY COMBINED TACTICAL SYSTEMS IN 1998 (1330-G874,GG05)

THIS AIN APPLIES TO US MARINE CORPS ONLY.

REQUEST THAT THIS AIN BE FURNISHED TO ALL UNITS AND PERSONNEL THAT USE OR STORE G874 FUZES AND GG05 NON-LETHAL PRACTICE HAND GRENADE BODIES.

G874 FUZES MANUFACTURED BY COMBINED TACTICAL SYSTEMS (MANUFACTURER SYMBOL CTJ) ARE M201-SB FUZES (MODIFIED M201A1 FUZES) AND ARE ONLY ASSEMBLED IN GG04 NON-LETHAL RUBBER BALL HAND GRENADES OR ISSUED SEPARATELY FOR USE IN THE GG05 NON-LETHAL PRACTICE HAND GRENADE BODY. THE G874 FUZES MANUFACTURED BY COMBINED TACTICAL SYSTEMS (CTJ LOTS) IN 1998 HAVE NO LOT NUMBER MARKING, OR OTHER IDENTIFICATION DATA, ON THE FUZE LEVER OR BODY. THE GRENADE LEVER IS PAINTED SOLID BLACK ON ALL THESE FUZE LOTS.

THIS AIN AUTHORIZES STORAGE ACTIVITIES TO ACCEPT AND IDENTIFY FIELD RETURNED G874 CTJ LOTS WITHOUT LOT MARKINGS, AS THE LOT NUMBER ON THE PACKAGING, AND LOCALLY PLACE THEM IN CONDITION CODE CHARLIE, PRIORITY ISSUE, WITH DEFECT CODE ZFZD5F, UNLESS THE FUZES ARE VISIBLY DAMAGED. THIS WILL PREVENT DISPOSAL OF SERVICEABLE TRAINING ASSETS.

POSITIVE IDENTIFICATION OF THE FIELD RETURNED G874 CTJ LOTS SHOULD BE MAINTAINED. UNLESS THE ASSETS ARE BEING ACCEPTED STRICTLY FOR REISSUE TO THE SAME UNIT IN A RELATIVELY SHORT PERIOD OF TIME, THE ASP SHOULD NOT BE ALLOWED TO ISSUE THEM TO A SEPARATE UNIT WITHOUT CONVINCING EVIDENCE OF A LOT NUMBER AND HISTORY.

AMMO INFO NOTICE 034-2004:

SUBJ: LOADED WITH FUZE, PROXIMITY, MK 404 MODS
(1315-C060,C112)(1320-D327,DA01,DA05,DA06)

THIS AIN IS TO INFORM USERS OF PROJECTILES LOADED WITH MK 404 INFRA-RED PROXIMITY FUZES THAT A VERY

AMMO INFO NOTICE 035-2004:

SMALL PERCENTAGE OF FUZES MAY HAVE EPOXY WHICH HAS LEAKED FROM FILLING HOLES ONTO FUZE OGIVE. THE EPOXY (COLORED BLACK) SHOULD POSE NO SAFETY OR FUNCTIONAL PROBLEM FOR THE USER. IF THE USER DETERMINES THAT EPOXY LEAKAGE IS EXCESSIVE AND MAY AFFECT ROUND/MOUNT INTERFACE, ROUND SHOULD BE LOCALLY RECLASSIFIED TO CONDITION CODE F, DEFECT CODE ZFZZ64, AND FILE A CODR IN ACCORDANCE WITH THE LATEST REVISION OF OPNAVINST 5102.1. SUBJ: PROCEDURES FOR THE EFFECTIVE CONTROL AND RECEIPT OF A PARTIAL DODIC M757 CHARGE, DEMOLITION ASSEMBLY, M183 (1375-M023,M 757)

THIS AIN SUPERSEDES IMSD AIN 008-01 (DTG 151935Z NOV 00).

THIS AIN APPLIES TO U.S. NAVY STOCK ONLY.

WHEN A CHARGE, DEMOLITION ASSEMBLY M183 (M757), IS TURNED IN TO THE ISSUING STOCK POINT WITH ONE OR MORE OF THE 16 INDIVIDUAL M112 CHARGE BLOCKS REMOVED, OR THE END-USER HAS EXPENDED ONE OR MORE OF THE 16 M112 CHARGE BLOCKS, AN ISSUE TRANSACTION SHOULD BE ACCOMPLISHED FOR THE M757 (IF NOT ORIGINALLY) AND THE REMAINING BLOCKS SHALL BE IDENTIFIED AND RECEIPTED AS DODIC M023, CHARGE, DEMOLITION BLOCK TYPE, COMP C-4, 1 1/4 LB, M112. RESTATED: ONE BOX M757 WITH 15 BLOCKS - ISSUED TO DISASSEMBLY (D7L OR D/DSASM) AND 15 M023 RECEIPTED (D6L OR C/ASSEM).

ROLMS TRANSACTION, NAVMC 110774, OR EQUIVALENT ACCOUNTABLE RECORD SHALL BE CREATED AS APPROPRIATE.

THE SOURCE DOCUMENT FOR THE INITIAL ENTRY ON THE NAVMC 10774 CARD, ROLMS, OR OTHER ACCOUNTABLE RECORD SHALL BE THE 1348-1 PREPARED BY THE USER FOR THE TURN-IN. IF IT HAS BEEN DETERMINED THAT THE M757 WAS NOT ORIGINALLY ISSUED, ISSUE M757 WITH DIC OF D7L OR TRANSACTION CODE OF D/DSASM, RECEIPT THE CORRECT NUMBER OF REMAINING C-4 BLOCKS WITH A DIC OF D7L OR TRANSACTION CODE C/ASSEM. THE M023 NSN SHALL BE 1375-00-724-7040 (FROM M757 NSN 1375-00-926-3985) FOR M112 BLOCKS WITH TAGGANT. THE M023 LOT NUMBER SHALL BE AS STENCILED ON THE M112 BLOCKS, IF READABLE/AVAILABLE, AND, IF NOT, REFER TO THE M757 AMMUNITION DATA CARD FOR CORRECT M112 (M023) LOT NUMBER IDENTIFICATION. THE UNIT OF ISSUE SHALL BE EACH (EA), WITH ANY UNUSED PRIMING ASSEMBLIES (NO DODIC/NSN, QTY 4 (WITH 8 BOOSTERS) PER M757) RECEIVED AS UNSERVICEABLE EXCESS. UNUSED PRIMING ASSEMBLIES SHALL BE STORED IN AN APPROPRIATE CONTAINER, AND DISPOSITION INSTRUCTIONS SHALL BE REQUESTED. UPON ESTABLISHMENT OF A SEPARATE RECORD FOR DODIC M023 GENERATED BY USER TURN-IN, THE INDIVIDUAL BLOCKS BECOME CONSUMABLE END ITEMS. ASSETS AND OTHER RECORDS WILL BE MANAGED, REPORTED, AND DISPOSED OF AS FOR ALL 2T END ITEMS.

AMMO INFO NOTICE 036-2004:

SUBJ: PROCEDURES FOR O-RING REMOVAL FROM EXPENDABLE INFRARED COUNTERMEASURES DEVICES-DECOYS (1370-LA01,LA02,LA10,DWCI)

SINCE THE INTRODUCTION OF THE MK 46 DECOY FLARE IN THE 1970 S, ALL SUBSEQUENT NAVY DECOY FLARES HAVE INCORPORATED A BASE O-RING INTO THEIR DESIGNS. THE PURPOSE OF THE O-RING IS TO FORM A SEAL AGAINST THE DISPENSER CIRCUIT BOARD AND PREVENT THE IMPULSE CARTRIDGE GASES FROM LEAKING. EVIDENCE THAT THE DECOY FLARES WOULD EJECT ADEQUATELY WITHOUT THE BASE O-RING PROMPTED THE INVESTIGATION OF A POTENTIAL PRODUCT IMPROVEMENT TO REMOVE THE O-RING AND THEREBY REDUCE PRODUCTION COSTS OF IRCM.

THERE WAS ALSO SOME EVIDENCE THAT THE O-RINGS MIGHT CONTRIBUTE TO THE DISPENSER BLOCK-MOUNTING STUDS BECOMING

LOOSE DURING FLIGHT CONDITIONS. TESTS PREVIOUSLY CONDUCTED SHOWED THAT IF A DISPENSER BLOCK IS LOADED WITH FLARES AT AMBIENT TEMPERATURES AND IS THEN CONDITIONED TO MINUS 65 DEGREES FAHRENHEIT (AS WOULD BE SEEN AT HIGH ALTITUDE), THE TORQUE OF THE STUDS DECREASED. WHEN THE TEST WAS REPEATED ON FLARES WITH THE BASE O-RINGS REMOVED, NO LOSS OF TORQUE WAS NOTED. FROM THIS TEST IT WAS CONCLUDED THAT SHRINKAGE OCCURS WITH THE RUBBER O-RING AT REDUCED TEMPERATURES, RESULTING IN LOSS OF TORQUE.

PRODUCTION OF THE DECOY FLARES INCLUDES A FEW STEPS THAT COULD BE ELIMINATED IF THE O-RING WAS NO LONGER USED. AN O-RING GROOVE IS PUT INTO THE BOTTOM OF THE FLARE CASE DURING PRODUCTION OF THE CASES, RESULTING IN INCREASED PRODUCTION COSTS. ALSO THE PRODUCTION LINE MUST GLUE THE O-RING INTO PLACE, WHICH IS LABOR INTENSIVE, AND REQUIRES TIME FOR CURING. IF THE BASE O-RING WAS REMOVED, ALL OF THESE STEPS COULD BE ELIMINATED, RESULTING IN LOWER PRODUCTION COSTS. CONSEQUENTLY, O-RING WAS REMOVED FROM DESIGN FOR NEW PRODUCTION IRCM DECOYS

REFER TO WEAPONS ASSEMBLY MANUAL (WAM)
NAVAIR 11-140-7, WP 13 00, PAGE 2, PARA 3,
INSPECTION/REJECTION CRITERIA; UNITS THAT DO NOT HAVE O-RINGS MAY BE LOADED INTO DISPENSER FOR USE.

O-RINGS HAVE BEEN ELIMINATED FROM NEW DECOY FLARES AND DECOY DEVICES. LOSS/MISSING O-RINGS ON PREVIOUS INVENTORY ITEMS IS NO LONGER A CONDITION THAT RESULTS IN THE ITEM BEING UNSERVICEABLE.

AMMO INFO NOTICE 037-2004:

SUBJ: CTG, 7.62MM, BLANK, M82, LINKED (1305-A111)
THIS AIN SUPERSEDES IMSD AIN 003-99 (271935Z OCT 98).
THIS AIN APPLIES TO US MARINE CORPS STOCK ONLY.
THIS AIN IS TO BE ISSUED TO ALL USERS OF DODIC A111,
CARTRIDGE 7.62MM BLANK M82 LINKED, WITH THE M240G MEDIUM MACHINE GUN.

A CHANGE IN DESIGN AND MANUFACTURING PROCESS WAS INCORPORATED
WITH THE 7.62MM BLANK M82 CARTRIDGE. COMMENCING WITH PRODUCTION LOT LC-88L122-001, A ROSETTE CRIMPED REPLACED THE DOUBLE TAPERED NECK CARTRIDGE DESIGN. THE ROSETTE CRIMPED DESIGN

CARTRIDGE IS THE ONLY BLANK AMMUNITION AUTHORIZED FOR USE WITH THE M240G MEDIUM MACHINE GUN. THE DOUBLE TAPERED NECK DESIGN DOES NOT FUNCTION IN THE M240G MEDIUM MACHINE GUN WITHOUT THE USE OF A DISCRIMINATOR ASSEMBLY. BOTH CARTRIDGE DESIGNS FUNCTION ADEQUATELY IN THE M60E3 MACHINE GUNS.

THE NATIONAL STOCK NUMBER, DODIC, AND NOMENCLATURE REMAIN THE SAME FOR BOTH DESIGNS LEAVING ONLY THE LOT INTERIX NUMBER TO IDENTIFY THE ROSETTE CRIMPED DESIGN FROM THE DOUBLE TAPERED NECK CARTRIDGE DESIGN.

AMMUNITION STORAGE FACILITIES AND SUPPLY POINTS MUST ENSURE THAT POST LC-88L122-001 PRODUCTION LOTS OF CARTRIDGE 7.62MM BLANK M82 LINKED AMMUNITION (DODIC A111) ARE REQUISITION AND AVAILABLE TO SUPPORT USERS OF THE M240G MEDIUM MACHINE GUN.

THE FOLLOWING CHARACTERISTICS APPLY TO THE ROSETTE CARTRIDGE DESIGN (DISTINGUISHED FROM THE RIFLE GRENADE CARTRIDGE):

- (A) DRAWING NUMBER 8597283 REV. V (LATEST REVISION AS OF NOV 03).
- (B) FIVE FLUTES

AMMO INFO NOTICE 038-2004:

- (C) PURPLE LACQUER ON CRIMPED NOSE
- (D) CARTRIDGE WEIGHT: 234.5 GRAIN
- (E) CARTRIDGE LENGTH: 2.595 INCHES
- (F) PROPELLANT TYPE: WC 818 PROPELLANT
- (G) PROPELLANT WEIGHT: 16.7 GRAIN
- (H) QD/SCG: 1.4S(BOTH DESIGNS)

SUBJ: NAVY RADIOACTIVE MATERIAL PERMIT NRMP NO. 13-00164-L1NP
FOR NAVY AND MARINE CORPS DEPLETED URANIUM DU AMMUNITION
THIS AIN SUPERSEDES IMSD AIN 039-99 (131940ZJUL99).

REF OPNAVINST 6470.3, NAVY RADIATION SAFETY COMMITTEE.
THIS AIN APPLIES TO NAVY AND MARINE CORPS STOCK ONLY.

REQUEST THIS AIN BE DISSEMINATED TO ALL PERSONNEL HAVING
OVERSIGHT RESPONSIBILITY I.E., INSTALLATION AND ACTIVITY
COMMANDERS, TYCOMS, WEAPONS, FIRE CONTROL, SAFETY, FIRE,
SECURITY, AND ORDNANCE OFFICERS INVOLVED WITH STORING,
HANDLING, ISSUING, INSPECTING OR USING SUBJECT DEPLETED
URANIUM AMMUNITION.

NAVY RADIOACTIVE MATERIAL PERMIT (NRMP) NO. 13-00164-L1NP
IS MANAGED BY COMMANDER, CRANE DIVISION, NAVAL SURFACE WARFARE
CENTER, CRANE DIVISION (NSWC CRANE DIVISION). THE RADIATION
SAFETY OFFICER (RSO) AND NSWC CRANE DIVISION POINT OF CONTACT
IS MR. HAROLD M. QUALKENBUSH, CODE 4012,
TELEPHONE 812-854-2802, DSN 482-2802. THE ASSISTANT RSO
IS MR. KEVIN TSCHAENN, CODE OES-KT, TELEPHONE 812-854-6839
OR DSN 482-6839. FOR THE MARINE CORPS, CONTACT THE
MARCORSYSCOM (DDA) AT TELEPHONE 703-432-3170.
THE LATEST REVISION OF NRMP 13-00164-L1NP
IS POSTED TO THE NAVAL ORDNANCE SAFETY AND SECURITY ACTIVITY
(NOSSA) ELECTRONIC PUBLICATIONS LIBRARY AT
[HTTPS://INTRANET.NOSSA.NAVSEA.NAVY.MIL/DEFAULT.ASP](https://intranet.nossa.navsea.navy.mil/default.asp) THIS
IS A PASSWORD PROTECTED SITE AND FIRST TIME USERS WILL
HAVE TO REQUEST ACCESS. NRMP 13-00164-L1NP, SUPPLEMENT 7,
PARAGRAPH E.2.

DELINEATES SPECIFIC RESPONSIBILITY FOR NAVY AND MARINE
CORPS PERSONNEL RESPONSIBLE FOR OVERSIGHT OF, AND, COMPLIANCE
WITH THE PROVISIONS OF THE NRMP. THUS COMMANDS WHO USE
NRMP 13-00164-L1NP TO STORE, HANDLE AND TRANSPORT NAVY DU
AMMUNITION ACCEPT, VIA THEIR USE OF THE PERMIT, THE LEGAL
LIABILITY FOR ASSURING COMPLIANCE WITH ALL PROVISIONS OF
THE NRMP. THE NRMP COVERS STORAGE, TRANSPORTATION, HANDLING,
UPLOAD, DOWNLOAD AND VISUAL INSPECTION RELATIVE TO THESE
OPERATIONS AT NAVY AND MARINE CORPS INSTALLATIONS. THIS
NRMP DOES NOT COVER RESEARCH, DEVELOPMENT, TEST OR
EVALUATION (RDT&E), PRODUCTIONS, RENOVATION/MAINTENANCE
OR DEMILITARIZATION OPERATIONS OF DU AMMUNITION.

RENDER-SAFE DEMILITARIZATIONS IS ONLY AUTHORIZED TO U.S.
EXPLOSIVE ORDNANCE DISPOSAL UNITS AND DOES NOT INVOLVE
DESTRUCTION OR INCINERATION OF THE DU PENETRATOR.

UNSERVICEABLE NAVY AND MARINE CORPS DU AMMUNITION WILL
BE PROPERLY PACKAGED, MARKED, INVENTORIED AND REPORTED TO THE
AMMUNITION DISPOSAL INVENTORY MANAGEMENT SYSTEM (ADIMS).

PER NRMP NO. 13-00164-L1NP, ACCIDENTS AND INCIDENTS
INVOLVING DEPLETED URANIUM AMMUNITION, WILL BE REPORTED
IAW THE NRMP, SUPPLEMENT 7 REQUIREMENTS. ADDITIONAL INFORMATION
RELATIVE TO ACCIDENT AND INCIDENT REPORTING REQUIREMENTS
MAY BE OBTAINED BY CONTACTING THE RSO/POCS
NAVSURFWARCENDIV CRANE.

THE FOLLOWING TYPES OF ACCIDENTS AND INCIDENTS WILL BE
REPORTED PER THE APPLICABLE NRMP SUPPLEMENT:

- (A) MISSING, LOST, STOLEN OR RECOVERED (MLSR)
DEPLETED URANIUM AMMUNITION.
- (B) FUNCTIONING OF AMMUNITION ITEMS CONTAINING
DU COMPONENTS, EXCEPT AS NOTED BY THE NRMP
FOR CIWS TESTS CONDUCTED AT SEA.
- (C) FIRES, EXPLOSIONS, OR ACCIDENTS INVOLVING
STORAGE STRUCTURES, SHIPPING CONVEYANCES, OR
NAVY WEAPON SYSTEMS INVOLVING DU AMMUNITION.
- (D) ACCIDENTS OR INCIDENTS THAT DAMAGE OR
EXPOSE DU AMMUNITION COMPONENTS TO THE ENVIRONMENT,
OR DU TO THE ENVIRONMENT.

THE FOLLOWING AMMUNITION CONTAINS DEPLETED URANIUM
(DU) CARTRIDGE PENETRATORS:

DODIC	MODEL	SIZE
A675	MK149	20MM
A676	MK149	20MM
A986	M919	25MM
A983	PGU-20	25MM
A979	PGU-20	25MM
B102	PGU-14	30MM
B103	PGU-14	30MM
B117	PGU-14	30MM
B128	PGU-14	30MM
C523	M774	105MM
C524	M833	105MM
C543	M900	105MM
C783	M827	120MM - NOT FIELDIED
C786	M829	120MM
C380	M829A1	120MM
C792	M829A2	120MM

THE NAVSURFWARCENDIV CRANE POINT OF CONTACT IS
MR HAROLD M.QUALKENBUSH, CODE 4012, TELEPHONE 812-854-2802
OR DSN 482-2802, E-MAIL QUALKENBUSH_MARK@CRANE.NAVY.MIL.
FOR THE MARINE CORPS, CONTACT THE MARCORSYSCOM (DDA) AT
TELEPHONE 703-432-3170.

AMMO INFO NOTICE 039-2004:

SUBJ: USE OF GRENADE, HAND INCENDIARY, AN-M14, TH-3 EXPOSED TO
COLD TEMPERATURES (1330-G900)

REF CDR JMC ROCK ISL IL.

THIS AIN APPLIES TO NAVY STOCK ONLY.

REQUEST DISSEMINATION OF THIS AIN TO ALL PERSONNEL USING AND
STORING SUBJECT GRENADE.

LIMITED TESTING HAS SHOWN THAT FOR THERMITE (TH-3 THERMATE)
GRENADES, IF INTERNAL GRENADE TEMPERATURE IS 32 DEGREES
FAHRENHEIT OR BELOW AND GRENADES HAVE ACCUMULATED MOISTURE
INTERNALLY, INSTEAD OF BURNING THE GRENADE MAY DETONATE,
DEFLAGRATE OR IGNITE VIOLENTLY WITH THE POSSIBILITY OF
DISPERSING BURNING FILLER UP TO TWENTY FEET, WHEN ITEM IS
FUNCTIONED. THERE HAVE BEEN NO INCIDENTS OF THIS TYPE
REPORTED BY ANY SERVICE WHILE THE DODIC G900 HAS BEEN
IN THE INVENTORY.

US ARMY JOINT MUNITIONS COMMAND AND US ARMY SOLDIERS
BIOLOGICAL AND CHEMICAL COMMAND ARE DEVELOPING A TEST
PLAN TO IDENTIFY SAFE TEMPERATURE LIMITATIONS FOR STORAGE
AND USE OF THE AN-M14 GRENADE.

PENDING TEST RESULTS, DODIC G900 GRENADES ARE
NOT AUTHORIZED FOR MANUAL ACTIVATION WHEN THE OPERATIONAL
TEMPERATURE OR THE STORAGE TEMPERATURE IS BELOW 33 DEGREES
FAHRENHEIT. PERSONNEL SHALL NOT USE GRENADES KNOWN OR
SUSPECTED OF EXPOSURE TO TEMPERATURES BELOW 33 DEGREES

FAHRENHEIT. SUSPECT GRENADES CAN BE RECONDITIONED BY STORING GRENADES IN A HEATED ENVIRONMENT FOR SUFFICIENT TIME TO RAISE INTERNAL TEMPERATURE OF GRENADE TO ABOVE 32 DEGREES FAHRENHEIT AND TO DISSIPATE ACCUMULATED MOISTURE (RECOMMEND STORING AT 70 DEGREES FAHRENHEIT FOR A MINIMUM OF FIVE DAYS). TEMPERATURE RESTRICTIONS ARE NOT APPLICABLE WHEN GRENADES ARE REMOTELY ACTIVATED.

AMMO INFO NOTICE 040-2004:

POC FOR TECHNICAL INFORMATION IS MR. JOHN PREBLE,
NAVSURFWARCEM DIV CRANE (CODE 4022), DSN 482-4519.
SUBJ: IMPULSE CARTRIDGE MK 1 MOD 3 1377-00-293-8183
WEI92B004-001(1377-M365)

ENGINEERING INVESTIGATION CONFIRMED A LOOSE CLOSURE DISK ON CARTRIDGES IN LOT WEI92B004-001. THIS CONDITION HAS NO AFFECT ON CARTRIDGE PERFORMANCE. THE OUTPUT CHARGE IN THE M365 CARTRIDGE IS NON-HYGROSCOPIC AND, THEREFORE, IS NOT AFFECTED BY MOISTURE. ADDITIONALLY, THERE ARE TWO INTERNAL CLOSURE DISKS THAT PROTECT THE IGNITION CHARGE FROM MOISTURE CONTAMINATION. NO ADDITIONAL CONVENTIONAL ORDNANCE DISCREPANCY REPORTS ARE REQUIRED TO REPORT THIS CONDITION.

AMMO INFO NOTICE 041-2004:

SUBJ: RAYTHEON EAST BEDFORD LOT 6 CONTROL ACTUATOR SECTION FAILURES

AN INCREASED CONTROL ACTUATOR SECTION (CAS) FAILURE RATE HAD BEEN NOTED DURING FIRINGS OF AIM-120A AND AIM-120B MISSILES CONFIGURED WITH A RAYTHEON EAST MANUFACTURED CAS FROM CAS LOT 6. THIS TREND FOR RAYTHEON EAST CAS LOT 6 CONTINUED EVEN AFTER THE JULY 2000 COMPLETION OF PREVIOUS CAS MOTHERBOARD RE-WORKS (RAYTHEON EAST AND WEST) AND LOCK PISTON RETROFITS (RAYTHEON WEST), WHICH HAD MARKEDLY REDUCED THE OVERALL AMRAAM CAS FAILURE RATES.

AN EXTENSIVE JOINT ENGINEERING INVESTIGATION OF THE CAS FAILURES WAS BEGUN DURING SEP 2003 CONCURRENT WITH THE AIR FORCE AIR-LAUNCHED MISSILE ADVISORY GROUP (ALMAG) INVESTIGATION OF A 27 AUG 2003 F-16/AIM-120A FIRING FAILURE. THIS FAILURE HAD PROMPTED THE AIR FORCE WEAPON SYSTEM EVALUATION PROGRAM (WSEP) TO RESTRICT RAYTHEON/EAST LOT 6 (AIM-120A/B) AND LOT 7 (AIM-120B) TEST FLIGHTS.

A CAS FAILURE REVIEW BOARD (FRB) CLOSEOUT MEETING WAS CONVENED AT EGLIN AFB FL ON 22 JAN 2004. REPRESENTATIVES FROM ACC, N78, THE JSPO AND RAYTHEON PARTICIPATED IN THIS REVIEW.

THE INVESTIGATION OF THE RAYTHEON EAST CAS LOT 6 FAILURE TREND BEGAN WITH AN EXTENSIVE REVIEW OF DATA FOR ALL PREVIOUS AMRAAM FAILURES ATTRIBUTED TO A CAS ANOMALY. OF THE 1,952 AMRAAM FIRINGS TO DATE, THERE HAVE BEEN A TOTAL OF 67 CAS FAILURES (3.4 PERCENT). PRIOR TO THE JULY 2000 CAS MOTHERBOARD REWORKS AND LOCK PISTON RETROFITS, THERE WERE 1381 AMRAAM FIRINGS WITH 52 FAILURES (3.8 PERCENT) ATTRIBUTED TO CAS. THE 571 POST JULY 2002 FIRINGS HAVE RESULTED IN 15 CAS FAILURES (2.9 PERCENT). FURTHER ANALYSIS INDICATES THAT THE POST-JULY 2000 RAYTHEON WEST CAS FAILURE RATE (1.5 PERCENT) REFLECTS A 50 PERCENT RATE DECREASE, WHILE THE POST-JULY 2000 RAYTHEON EAST CAS FAILURE RATE (3.9 PERCENT) REFLECTS AN INCREASE IN THE FAILURE RATE. THIS IS DUE PRIMARILY TO RAYTHEON EAST CAS LOT 6 PERFORMANCE. THE 48 AMRAAM FIRINGS INVOLVING RAYTHEON EAST CAS LOT 6 RESULTED IN 5 CAS FAILURES (10.4 PERCENT FOR RAYTHEON EAST CAS LOT 6).

ALL 10 POST-JULY 2000 RAYTHEON EAST CAS FAILURES FELL INTO

THE ELECTRICAL CATEGORY. THIS ELECTRICAL CATEGORY WAS FURTHER DIVIDED INTO THREE SUB-CATEGORIES BASED UPON THE TM FAILURE SIGNATURE. THERE WERE 5 RAYTHEON EAST CAS FAILURES HAVING SIGNATURE 1A (ANOMALOUS FIN POSITION VERSUS COMMAND, FOLLOWED 30 TO 200 MSEC LATER BY AN A-110V ACTUATOR SHORT), AND 2 RAYTHEON EAST CAS FAILURES HAVING SIGNATURE 1B (ANOMALOUS FIN POSITION VERSUS COMMAND WITH NO A-110V ACTUATOR SHORT TO CHASSIS). THERE WERE 2 RAYTHEON EAST CAS FAILURES HAVING SIGNATURE 2 (AN A-110V ACTUATOR SHORT TO CHASSIS WITHIN 30 TO 80 MSEC, WITH PRIOR ANOMALOUS FIN POSITION VS. COMMAND AND AN ANOMALOUS THRUST PROFILE), INCLUDING THE WSEP 03-080 MISSILE FAILURE DISCUSSED ABOVE. THE REMAINING RAYTHEON EAST CAS FAILURE HAD SIGNATURE 3 (AN A-110V ACTUATOR SHORT TO CHASSIS WITHIN 10 MSEC WITH NO PRIOR ANOMALOUS FIN POSITION VERSUS COMMAND).

THE FRB CONCLUDED THAT THE 7 POST-JULY 2000 RAYTHEON EAST CAS FAILURES WITH TM FAILURE SIGNATURES 1A AND 1B WERE MOST LIKELY CAUSED BY THE CAS MOTHERBOARD PWB. THROUGH-WALL PULL AWAY WOULD RESULT IN INTERMITTENT OPENS IN CRITICAL CONTROL LOOPS AND OR POWER FORMS ON THE PWB, GENERATING LARGE FIN ERROR RATES THAT OVERSTRESS THE POWER HYBRID RESULTING IN A CATASTROPHIC A-110V SHORT TO CHASSIS GROUND. THREE POTENTIAL CAUSES OF THROUGH-WALL PULL AWAY WERE IDENTIFIED. ONE POTENTIAL CAUSE (PRESSURE ON THE CONNECTOR CAUSED BY THE BULKY HARNESS) WAS ELIMINATED FOLLOWING AN EXTENSIVE LABORATORY TEST PROGRAM. A SECOND CAUSE (THERMALLY INDUCED DURING REWORK ON PWBS WITH NEUTRAL (FLUSH) ETCHBACK) WAS ELIMINATED GIVEN MOTHERBOARDS WITH TWO OR MORE RE-WORKS HAD BEEN REMOVED FROM INVENTORY BY JULY 2000. THE LAST CAUSE IDENTIFIED FOR THROUGH-WALL PULL AWAY WAS POOR WORKMANSHIP ON THE MOTHERBOARD. ON 18 OCT 1995 (LATE LOT 7/EARLY LOT 8) RAYTHEON HAD RECOMMENDED THAT NORTH TEXAS ELECTRONICS BE REMOVED FROM THE APPROVED SUPPLIER LISTING DUE TO MAJOR QUALITY ISSUES SINCE 1994 (LOT 6). APPROXIMATELY 50 PERCENT OF THE RAYTHEON CAS LOT 6 AND 7 PRODUCTION MAY HAVE THE NORTH TEXAS ELECTRONICS MANUFACTURED MOTHERBOARD. HARNESS COVER REMOVAL AND BORESCOPE INSPECTION IS REQUIRED TO IDENTIFY THE CAS MOTHERBOARD MANUFACTURER.

THE FRB CONCLUDED THAT THE 2 POST-JULY 2000 RAYTHEON EAST CAS FAILURES WITH TM FAILURE SIGNATURE 2 WERE MOST LIKELY CAUSED BY A MISS-INSTALLED ROCKET MOTOR EXIT CONE O-RING SEAL, THOUGH THEY MIGHT ALSO BE ATTRIBUTED TO A CAS MOTHERBOARD PWB FAILURE. FINALLY, THE FRB CONCLUDED THAT THE 1 POST-JULY 2000 RAYTHEON EAST CAS FAILURE WITH TM FAILURE SIGNATURE 3 WAS MOST LIKELY CAUSED BY FAILURE OF THE POWER HYBRID. NO SIGNIFICANT DEFECTS WERE EVIDENT DURING LABORATORY TESTING OF RAYTHEON EAST CAS POWER HYBRIDS.

THE REVIEW PARTICIPANTS CONCLUDED THAT NEITHER OF THESE TWO MOST PROBABLE FAILURE MODES POSES A SAFETY OF FLIGHT ISSUE. THE FOLLOWING CORRECTIVE ACTIONS ARE RECOMMENDED TO IMPROVE MISSILE RELIABILITY.

- (A) CORRECTIVE ACTION FOR WSEP 03-080 FAILURE MODE.
RAYTHEON WILL IMPLEMENT A DEPOT INSPECTION OF THE O-RING AND INCLUDE THAT IN THE TRACKING DATABASE WHENEVER MISSILES ARE RETURNED FOR REPAIR.
THE O-RING INSPECTION CANNOT BE DONE IN THE FIELD.
(NO ADDITIONAL ACTION WAS RECOMMENDED
AS HISTORICAL DATA SUGGESTS THIS POTENTIAL FAILURE

RATE IS LESS THAN 1 PERCENT.)

(B) CORRECTIVE ACTION FOR RAYTHEON EAST CAS
LOT 6 FAILURE MODE.

WITH CONCURRENCE FROM N780, THE NAVY ALL UP ROUNDS (AUR) WITH LOT 6 RAYTHEON EAST CONTROL SECTIONS WILL BE SHIPPED TO PT MUGU FOR RAYTHEON INSPECTION. PT MUGU WAS SELECTED AFTER CONSIDERATION OF FUNDING, STANDARD OPERATING PROCEDURES, SAFETY, TRAINING, AND COURTESY STORAGE ISSUES. THE AIM-120A MISSILES ARE OUTSIDE THE WARRANTY PERIOD AND ANY MISSILES FOUND TO HAVE THE NORTH TEXAS ELECTRONICS MOTHERBOARD BY THE BORESCOPE INSPECTION WILL REMAIN AT PT MUGU TO SUPPORT NCEA FIRINGS. THE AIM-120A MISSILES THAT DO NOT HAVE THE NORTH TEXAS ELECTRONICS MOTHERBOARD WILL BE RETURNED TO THE FLEET. THE AIM-120B MISSILES THAT ARE FOUND TO HAVE THE NORTH TEXAS ELECTRONICS MOTHERBOARD WILL BE PLACED IN CONDITION CODE F AND SHIPPED TO TUCSON FOR CONTROL SECTION MOTHERBOARD REPLACEMENT UNDER WARRANTY. ALL AIM-120B MISSILES WILL THEN BE RETURNED TO THE FLEET AS CONDITION CODE A ASSETS.

POINTS OF CONTACT: MR. PASQUALE GAMBATESE, PMA-259M, (850) 883-0252, OR MR. JOHN BUCH, AMRAAM APMS&E, (850) 883-0257, OR MR. JOE ODOM, AMRAAM APML, (850) 883-0191.

AMMO INFO NOTICE 042-2004:

SUBJ: GROUNDING OF SLAM ER TACTICAL AND CATM ASSETS (1410-WF30, WF35,WF44,WF45)

SLAM ER TACTICAL ASSETS (WF30, WF35 AND WF44) AND SLAM-ER CATM ASSETS (WF45) WERE RECLASSIFIED TO N AND J CODES, RESPECTIVELY VIA NAR'S, DUE TO THE POSSIBILITY THAT THE FORWARD FOLDING LUG MAY COME LOOSE FROM THE MISSILE BODY. UNTIL FURTHER NOTICE, ALL TACTICALS ARE GROUNDED WITH THE EXCEPTION OF WARTIME EMERGENCY; AND, CATMS ARE GROUNDED UNTIL COMPLETION OF AN ENGINEERING INVESTIGATION.

SLAM ER EXERCISE MISSILES (WF46) ARE NOT AFFECTED.

ON SLAM-ER TACTICAL AND CATM ASSETS, THE FORWARD (FOLDING) LUG, ONE OF TWO AIRCRAFT ATTACH POINTS, IS HELD IN PLACE BY WAY OF A HINGE PIN PASSING HORIZONTALLY THROUGH THE BOTTOM OF THE LUG.

THE HINGE PIN IS SECURED BY WAY OF A STAINLESS STEEL ROLL PIN INSERTED VERTICALLY THROUGH THE MISSILE BODY, AND INTO A HOLE IN THE HINGE PIN. RECENTLY, THERE WAS A SECOND INSTANCE OF AN AIRCRAFT CARRIER REQUESTING A REPLACEMENT ROLL PIN FOR A CATM DUE TO FAILURE OF THE EXISTING ROLL PIN. THIS CAUSED BOEING TO INSPECT THREE CATMS ON HAND IN ST. CHARLES. ONE OF THOSE THREE CATMS ALSO EXHIBITED A FAILED ROLL PIN (CRACKED LONGITUDINALLY).

A FAILED ROLL PIN WILL ALLOW THE HINGE PIN TO SLIDE HORIZONTALLY, WHICH COULD ALLOW THE FORWARD FOLDING LUG TO COME FREE OF THE MISSILE. THERE WAS INSUFFICIENT DATA ON FRIDAY THE 12 OF MAR 2004 TO ACCURATELY CLASSIFY THE LIKELIHOOD AND CONSEQUENCE OF SUCH AN OCCURRENCE. HOWEVER, BECAUSE OF THE SAFETY IMPLICATIONS, AND THROUGH CONSULTATION WITH NAVAIR SAFETY AND PERTINENT TECHNICAL TEAMS, IT IS ASSUMED THAT THE CONSEQUENCE OF THE FORWARD LUG SEPARATING FROM THE MISSILE DURING AIRCRAFT CARRIAGE IS CATASTROPHIC. THAT, COMBINED WITH THREE KNOWN CASES OF ROLL PIN FAILURES, LED TO THE DECISION TO GROUND. THE REASON FOR FAILURES IS NOT KNOWN, AND IS UNDER INVESTIGATION.

THERE IS NO EVIDENCE TO SUGGEST THAT TACTICAL ROUNDS, THAT HAVE BEEN PROPERLY STORED AND NOT EXPOSED TO THE REPEATED FLIGHT LOADS SEEN BY CATMS, ARE SUSCEPTIBLE TO ROLL PIN CRACKING. THE RISK OF PIN FAILURE DURING A SINGLE FLIGHT FOR A WARTIME UTILIZATION IS VERY LOW AND IS STILL ACCEPTABLE.

ALCON WILL BE NOTIFIED VIA SEPCOR OF THE INVESTIGATION FINDINGS AND THE PROPOSED REMEDY ASAP.

AMMO INFO NOTICE 043-2004:

SUBJ: RKT, WHD, 2.75 INCH RKT, WDU-4A-A, FLECHETTE (1340-HY71)

THE WDU-4A/A 2.75-INCH FLECHETTE WARHEAD (DODIC HY71) LOT NRT-4-18 HAS A LOW LEVEL OF STABILIZER IN THE EXPELLING CHARGE. BECAUSE THE EXPELLING CHARGE IS ONLY 0.014 POUNDS OF PROPELLANT, THERE IS NO SAFETY HAZARD OF THIS CHARGE AUTO-IGNITING. THE UNITS PERFORMED WELL IN 2003, BUT DEGRADATION IS EXPECTED AND THEY MAY START DUDDING AS EARLY AS 2005 OR 2006. IF THEY DUD, THE FLECHETTES WILL NOT BE DISBURSED AND THE WARHEAD WILL NOT PERFORM ITS INTENDED FUNCTION.

AMMO INFO NOTICE 044-2004:

SUBJ: CARTRIDGE, 9 MILLIMETER, BALL, M882 BULLET-IN-BORE INDICATORS (1305-A363)

THERE HAVE BEEN RECURRING MISHAPS DUE TO CONTAMINATED PROPELLANT, INSUFFICIENT PROPELLANT, OR PRIMER DEFECT IN A363 ROUNDS. THESE DEFECTS CAN CAUSE THE PROJECTILE NOT TO CLEAR THE WEAPON BORE UPON FIRING. THE BULLET-IN-BORE CONDITION OCCURS WHEN A ROUND IS FIRED AND INSUFFICIENT CHAMBER PRESSURE IS GENERATED TO CAUSE THE BULLET TO EXIT THE BARREL. USUALLY THE BULLET WILL NOT TRAVEL DOWN THE BORE FAR ENOUGH FOR A SUBSEQUENT ROUND TO BE CHAMBERED. HOWEVER, IF A BULLET-IN-BORE EXISTS AND A SUBSEQUENT ROUND CAN BE CHAMBERED, A HIGH PRESSURE MALFUNCTION

CAN BE EXPECTED TO OCCUR. SOME INDICATORS THAT A BULLET-IN-BORE CONDITION MAY EXIST ARE, BUT NOT LIMITED TO:

- (A) AN AUDIBLE "POP". THE OPERATOR MAY COMPARE THE "POP" TO THE NOISE A CAP PISTOL MAKES.
- (B) REDUCED RECOIL.
- (C) FAILURE TO EXTRACT CARTRIDGE CASE.
- (D) DIFFICULTY IN CHAMBERING THE NEXT ROUND.
- (E) SLIDE NOT FULLY SEATED.

IN ANY OF THE ABOVE CIRCUMSTANCES, THE OPERATOR SHOULD CEASE FIRE. CLEAR AND LOCK THE WEAPON AND CHECK TO SEE IF THERE IS AN OBSTRUCTION IN THE BORE OR BARREL OF THE WEAPON. IF A PROJECTILE IS FOUND LODGED IN THE BORE, BARREL OR A WEAPON IS DAMAGED BY WHAT IS POSSIBLY A BULLET-IN-BORE, SECURE THE WEAPON AND NOTIFY SUPPORTING MAINTENANCE UNIT. DO NOT REMOVE THE PROJECTILE FROM THE BARREL, CLEAN, REPAIR OR ISSUE THE WEAPON UNTIL INFORMED TO DO SO BY APPROPRIATE ORDNANCE MAINTNEANCE PERSONNEL,

NOTE THE AMMUNITION LOT NUMBER, OBSERVE IF ABOVE NORMAL AMOUNT OF UNBURNED PROPELLANT IS PRESENT IN THE BREECH AREA OF PISTOL AND, IF POSSIBLE, SECURE THE SUSPECT CARTRIDGE CASE. ALL UNITS WILL CONTINUE TO REPORT BULLET-IN-BORE MALFUNCTIONS IAW THE LATEST REVISION OF OPNAVINST 5102.1/ MCO 8025.1.

AMMO INFO NOTICE 046-2004:

SUBJ: POSSIBLE IMPROPER ALIGNMENT OF FUZE PANEL LABELS FOR LOT CRA01A000-023 (1325-EB05)

THIS AIN SUPERSEDES NALC AIN 045-04 (201935Z APR 04).

POSSIBLE IMPROPER ALIGNMENT OF FUZE PANEL LABELS FOR LOT CRA01A000-023 (NAR 0517-04) MAY RESULT IN UNINTENDED FUZE SETTINGS. REQUIRES THE FOLLOWING PHYSICAL

AMMO INFO NOTICE 047-2004:

INSPECTION BY THE USER. EACH FUZE PRIOR TO USE SHALL BE INSPECTED BY ROTATING THE LOW/HIGH DRAG ARM TIME DELAY SWITCHES THROUGH ALL SETTINGS TO SEE IF THE SWITCH DIAL MARKER ALIGNS PROPERLY WITH THE WHITE FUZE SECONDS/DELAY TIME MARKER SETTINGS ON THE FUZE PANEL LABEL. FUZES THAT DO NOT MEET THIS CRITERIA, SHALL BE SENT TO CAAA WITH A DEFECT CODE OF ZFZA5F.

SUBJ: MORTAR PROPELLING CHARGE SUPPORT ASSEMBLY (1310-B642,B646, B647)

REF CDRMAC ROCK ISL IL 091603Z FEB 04.

THIS AIN SUPERSEDES NALC AIN 018-03 (DTG 241935Z FEB 03).

THIS AIN APPLIES TO US NAVY STOCKS ONLY.

PROPELLING CHARGE SUPPORT ASSEMBLY MISSING OR IMPROPERLY POSITIONED IS A CRITICAL DEFECT FOR HE ROUNDS WHICH UTILIZE THIS COMPONENT.

THIS DEFECT CLASSIFICATION IS BASED UPON THE DAMAGE WHICH CAN OCCUR TO THE PROPELLING CHARGE, IF A ROUND IS SUBJECTED TO TRANSPORTATION OR ROUGH HANDLING WHEN THE SUPPORT ASSEMBLY IS NOT PRESENT OR IS IMPROPERLY POSITIONED. IF THE ROUND WERE TO BE SHIPPED OR SUBSEQUENTLY FIRED, A STORAGE/TRANSPORTATION INCIDENT

OR CRITICAL SHORT ROUND COULD OCCUR. THIS WOULD APPLY EVEN ON ROUNDS WHERE THE ABSENCE OR IMPROPER POSITIONING OF THE SUPPORT

ASSEMBLY IS NOT FORMALLY CHARACTERIZED AS A CRITICAL DEFECT, SUCH

AS ILLUMINATING AND WP SMOKE ROUNDS.

ALL UNITS REQUISITIONING M700 SERIES 60MM ROUNDS WHICH UTILIZE A PROPELLING CHARGE SUPPORT ASSEMBLY ARE TO ENSURE THAT THE SUPPORT ASSEMBLIES ARE REASSEMBLED CORRECTLY TO UNFIRED ROUNDS PRIOR TO TURN-IN, SO THAT AN OPTIMUM SAFETY AND SERVICEABILITY POSTURE MAY BE MAINTAINED, AND MAXIMUM USER SAFETY MAY BE ASSURED.

ROUNDS TURNED IN WITHOUT THE PROPELLING CHARGE SUPPORT ASSEMBLY INCREASE THE POTENTIAL, DUE TO USER NEGLIGENCE, OF A TRANSPORTATION HAZARD AND ARE TO BE LOCALLY PLACED IN C/C HOTEL WITH AN ASSIGNED DEFECT CODE OF "HCHAZZ". NAVSUP PUB 805/807 APPLIES.

QUESTIONS REGARDING THIS AIN SHOULD BE DIRECTED TO MR. JOHN PREBLE, NSWCD CRANE, 4022, DSN 482-4519, COMM 812-854-4519.

AMMO INFO NOTICE 048-2004:

SUBJ: UNIT LEVEL DELINKING OF SMALL ARMS AMMUNITION

THIS AIN APPLIES TO US NAVY STOCKS ONLY.

THE MOST FREQUENT REASON SMALL ARMS AMMUNITION HAS BEEN IMPROPERLY DELINKED AND RELINKED IS TO REMOVE TRACER ROUNDS DURING TIMES OF HIGH FIRE HAZARD.

REQUEST ENSURE ACTIVITIES PLAN PROPERLY FOR SEASONAL FIRE HAZARDS AND SUBMIT NCER/NCEA REQUESTS ACCORDINGLY.

DELINKING AND LINKING SMALL ARMS AMMUNITION IS DISCOURAGED, EXCEPT FOR ADJUSTMENT OF BELT LENGTH. IF DE-LINKING IS REQUIRED, ACTIVITIES/UNIT'S CO MUST ENSURE STANDARD OPERATING PROCEDURES, A QUALIFICATION - CERTIFICATION PROGRAM AND APPROVED

FACILITIES ARE IN PLACE IAW OPNAVINST 8020.14/MCO P8020.11, NAVSEAINST 8023.11, NAVSEA OP4 AND NAVSEA OP5.

ASSURANCE OF THE OPERATIONAL INTEGRITY OF THE WEAPON SYSTEM MUST BE MAINTAINED. THE FOLLOWING CONCERNS MUST BE ADDRESSED.

(A) LACK OF SAFETY SPECIFICATIONS ON PROCEDURES FOR

DELINK/RELINK OF TRACER ROUNDS.

(B) LOSS OF LOT INTEGRITY/IDENTITY.

(C) LOSS OF ACCOUNTABILITY OF ROUNDS DELINKED FROM BALL/

TRACER RATIO PACKS.

(D) WASTE OF TRACER ASSETS.

(E) DELINKING AND RELINKING COMPROMISES LINKS FUNCTIONAL PROPERTIES, I.E. M27 LINKS LOST APPROXIMATELY 2 IN-LBS IN TORQUE STRENGTH AFTER THEY HAD BEEN SUBJECTED TO DISASSEMBLY AND REASSEMBLY.

(F) DIFFICULT TRACKING THE SERVICEABILITY OF DELINKED/RELINKED AMMUNITION.

AMMO INFO NOTICE 049-2004:

SUBJ: LIFE CYCLE MANAGEMENT AND INSPECTION OF CANINE EXPLOSIVE SCENT KITS (1375-MN01,MY77,M585,M587)

THIS AIN SUPERSEDES NALC AIN 002-03 (291940Z OCT 03).

THIS AIN APPLIES TO NAVY STOCK ONLY.

THIS INFORMATION IS TO BE DISSEMINATED TO ALL PERSONNEL WHO UTILIZE OR ARE REQUIRED TO DETERMINE SERVICEABILITY OF SUBJECT KIT OR ITS INDIVIDUAL COMPONENTS. THIS AIN PROVIDES NAVSEASYS COM POLICY ON THE LIFE CYCLE MANAGEMENT OF THE CANINE EXPLOSIVE SCENT KIT, PARTICULARLY AS IT RELATES TO KITS WITH AGING DYNAMITE AND DAMAGED OR UNSERVICEABLE EXPLOSIVE COMPONENTS.

THE FOLLOWING INFORMATION APPLIES TO THE COMMERCIAL DYNAMITE, 40 PERCENT NITROGLYCERIN (NG) (DODIC M587) CONTAINED IN THE CANINE EXPLOSIVE SCENT KIT:

(A) NITROGLYCERIN (NG) DYNAMITE IS COMPOSED OF NITROGLYCERIN, SODIUM NITRATE, AND NONEXPLOSIVE FILLERS. THIS COMPOSITION IS WRAPPED IN PAPER AND COATED WITH PARAFFIN WAX WHICH CONTAINS A SMALL AMOUNT OF OIL. FRESH NG DYNAMITES TEND TO BE FIRM, BUT PLIABLE, AND FEEL WAXY DUE TO THE PARAFFIN COATING. UNLESS EXCESSIVE SOFTNESS OR THE PRESENCE OF AN EXUDATE IS NOTED, THE DYNAMITE SHOULD BE CONSIDERED SERVICEABLE. EXTENDED EXPOSURE OF NG DYNAMITE TO HIGH TEMPERATURES (GREATER THAN 80 DEGREES FAHRENHEIT), TEMPERATURE CYCLING, OR HIGH RELATIVE HUMIDITY (GREATER THAN 40 PERCENT) CAN CAUSE THE STICKS TO EXUDE LIQUID DROPLETS ON THE OUTER WRAPPING, SOMETIMES GIVING A GLAZED APPEARANCE. THIS EXUDATE IS NITROGLYCERIN AND IS EXTREMELY SENSITIVE IN THIS STATE.

IT SHOULD BE NOTED THAT ANY ORDNANCE OPERATION REQUIRES THE ACTIVITIES/UNITS' COMMANDING OFFICER TO ENSURE STANDARD OPERATING PROCEDURES, A QUALIFICATION - CERTIFICATION PROGRAM AND APPROVED FACILITIES ARE IN PLACE IAW OPNAVINST 8020.14/MCO P8020.11, NAVSEAINST 8023.11, NAVSEA OP4 AND NAVSEA OP5.

IAW NAVSEA OP5 VOL 1, SEVENTH REVISION, PARA 11-8.15.10, THE DYNAMITE IN ALL CANINE EXPLOSIVE SCENT KITS MUST BE INSPECTED UPON RECEIPT, AT TIME OF ISSUE, IMMEDIATELY PRIOR TO USE, AND AT INTERVALS NOT TO EXCEED 30 DAYS WHILE IN STORAGE. THE PRIMARY PURPOSE OF THESE INSPECTIONS IS TO SEARCH FOR THE PRESENCE OF EXUDATION, WHICH WILL APPEAR AS EITHER LIQUID DROPS, A GLAZED RUBBERY MATERIAL, OR WHITE CRYSTALS. DYNAMITE IN THIS STATE IS EXTREMELY SENSITIVE AND SHOULD BE DESTROYED IMMEDIATELY (DYNAMITE ONLY, NOT THE ENTIRE KIT). ALL INDIVIDUAL STICKS OF NG DYNAMITE (DODIC M587) FOUND TO BE EXHIBITING EXUDATION OR CRYSTALLIZATION WILL BE RECLASSIFIED TO CONDITION CODE HOTEL AND DISPOSED OF IMMEDIATELY IAW LOCAL PROCEDURES.

THERE IS A MISCONCEPTION THAT THE CANINE EXPLOSIVE SCENT KIT (DODIC MN01) HAS A SHELF LIFE OF EIGHTEEN MONTHS. THE ONLY

COMPONENT IN THE KIT WITH A SHORT SHELF LIFE IS THE DYNAMITE, WHICH HAS AN EIGHTEEN MONTH SHELF LIFE. THE SHELF LIFE FOR THE REST OF THE KIT IS THREE YEARS. THE EXPIRATION DATE STENCILED ON THE CANINE SCENT KIT BOX LID REFLECTS THE EXPIRATION DATE OF THE OLDEST STICK OF DYNAMITE IN THE KIT. MANY INSTANCES HAVE ARISEN WHERE ENTIRE CANINE SCENT KITS HAVE BEEN DESTROYED OR PLACED IN UNSERVICEABLE CONDITION AS A RESULT OF THE MISTAKEN BELIEF THAT ALL OF THE COMPONENTS HAVE EXPIRED RATHER THAN SIMPLY THE AFFECTED DYNAMITE.

CANINE EXPLOSIVE SCENT KITS ARE PRODUCED AT THE NAVAL SURFACE WARFARE CENTER, INDIAN HEAD DIVISION, YORKTOWN DETACHMENT (NSWC IHY DET) AND ARE ASSEMBLED WITH THE NEWEST DYNAMITE AVAILABLE. ONCE KITS ARE ISSUED, IT IS IMPORTANT THAT THE CUSTOMER MONITOR THE EXPIRATION DATE. COMMERCIAL DYNAMITE OLDER THAN 18 MONTHS FROM THE DATE OF MANUFACTURE CANNOT REMAIN IN STORAGE AND CANNOT BE SHIPPED. WITHIN 60-90 DAYS OF THE EXPIRATION DATE, A NEW KIT SHOULD BE REQUISITIONED THROUGH THE NORMAL CHANNELS. NSWC IHY DET WILL SHIP REPLACEMENT DYNAMITE TO THE HOLDER OF THE KIT. THE HOLDER OF THE KIT WILL REPLACE THE OLD DYNAMITE WITH THE NEW DYNAMITE.

WHEN REPLACING ONLY THE NG DYNAMITE COMPONENT, REMOVE THE M19A1 METAL CAN CONTAINING THE OLD DYNAMITE AND INSERT THE M19A1 METAL CAN WITH THE NEW DYNAMITE. CONTACT THE NEAREST LOCAL EOD UNIT FOR PICKUP OF THE OLD DYNAMITE. MARK THE ORIGINAL SHIPPING BOX IN THE SPACE PROVIDED, WITH THE NEW EXPIRATION DATE OF THE DYNAMITE. A STICKER WITH THE NEW EXPIRATION DATE WILL ACCOMPANY THE REPLACEMENT DYNAMITE SHIPMENT. EOD UNIT RECEIPTING THE OLD, SERVICEABLE DYNAMITE FROM THESE KITS SHOULD MAKE EVERY EFFORT TO EXPEND THE DYNAMITE IN ROUTINE TRAINING PRIOR TO THE EXPIRATION DATE.

UPON RECEIPT OF A NEW KIT, LOCALLY RECLASSIFY THE OLD KIT TO CONDITION CODE "H". FOR NAVY (COG 2T) ASSETS, THE MAINTAINING UNIT SHOULD THEN REQUEST DISPOSITION INSTRUCTIONS FOR THE CONDITION CODE "H" KIT FROM NALC MECHANICSBURG, CODE 431D DSN: 430-4824. ONCE THE UNIT IS IN RECEIPT OF DISPOSITION INSTRUCTIONS FOR THE CONDITION CODE "H" KIT, IT SHOULD BE MADE READY FOR PICKUP BY THE NEAREST LOCAL EOD UNIT.

EXPLOSIVE WATER GEL, NSN 1375-01-180-5779 MY77 HAS A ONE YEAR SHELF LIFE WHEN NOT ASSOCIATED WITH A CANINE EXPLOSIVE SCENT KIT. WHEN WATER GEL AGES IT BECOMES LESS SENSITIVE, BUT DOES NOT LOSE THE CHARACTERISTICS NECESSARY FOR INCLUSION IN THE KIT. UNLESS OTHERWISE UNSERVICEABLE, WATER GEL THAT IS OVER ONE YEAR IN AGE AND INSTALLED IN A CANINE EXPLOSIVE SCENT KIT WILL BE RETAINED IN THE KIT.

UNSERVICEABLE COMPONENTS WILL BE LOCALLY PLACED IN CONDITION CODE HOTEL. THE DODIC AND LOT NUMBER FOR EACH COMPONENT WILL BE REPORTED TO NALC MECHANICSBURG, CODE 431D FOR NAVY (COG 2T) ASSETS.

A SEPARATE DISPOSITION REQUEST SHOULD BE SUBMITTED TO THE DESIGNATED DISPOSITION AUTHORITY (DDA) FOR THOSE DAMAGED OR UNSERVICEABLE ITEMS REMOVED FROM THE KIT, TO INCLUDE THE EXPIRED DYNAMITE. FOR NAVY (COG 2T) ASSETS, THESE REQUESTS SHOULD BE SUBMITTED ELECTRONICALLY TO THE CURRENT DDA: WANDA ROMERO, NALC CODE 92WR, DSN 430-3798, COMMERCIAL 717-605-3798, ROMEROWJ@NALC.NAVY.MIL .

IN THE EVENT THAT A LOCAL EXPLOSIVE ORDNANCE DISPOSAL (EOD) REPRESENTATIVE DEEMS ANY OF THE EXPLOSIVE

AMMO INFO NOTICE 050-2004:

MATERIAL UNSAFE TO TRANSPORT AND SUBSEQUENTLY REMOVES AND DESTROYS THAT MATERIAL (INCLUDING DYNAMITE), THE DDA IS TO BE NOTIFIED AFTER THE FACT.

SUBJ: REVISING SLAM ER MISSILE SIST FROM 60 MONTHS TO 84 MONTHS (1410-WF30, WF34,WF35,WF44,WF45,WF46)

IAW CNO MESSAGE DTG 071730Z APR 03, REVISING SLAM ER MISSILE SIST FROM 60 MONTHS TO 84 MONTHS. ENSURE THAT ALL SLAM ER MISSILE LOG BOOKS, CONTAINERS AND ROLMS/CAIMS DATA REFLECT THE UPDATED INFORMATION CONTAINED IN CNO MESSAGE DTG 071730Z APR 03, IOT ENSURE ACCURATE DATA FOR THE MISSILES. THE FOLLOWING INFO IS PROVIDED TO ASSIST YOU:

TYPE/MODEL/SERIES	NOMENCLATURE	DODIC/NALC	SIST
AGM-84H-1	GM TACT	WF30	84 MOS
AGM-84H-1	GM TACT	WF35	84 MOS
AGM-84K-1	GM TACT	WF44	84 MOS
ATM-84K-1	GM EXER	WF46	84 MOS
CATM-84H-1A	CATM	WF34	NONE
CATM-84K-1A	CATM	WF45	NONE

AMMO INFO NOTICE 051-2004:

SUBJ: 5.56MM AMMUNITION 10 ROUND CARTRIDGE CLIPS

THIS AIN SUPERSEDES NALC AIN 037-99 (231940Z JUN 99).

REF CDR JMC ROCK ISL IL 251723Z NOV 03 (ARMY AIN 0121-03).

REQUEST THIS INFORMATION BE PASSED TO ALL PERSONNEL USING OR RESPONSIBLE FOR INSPECTING SUBJECT ITEMS.

NOTE 2 OF DRAWING 11010483 CLIP, CARTRIDGE: 5.56MM, 10 ROUND, REQUIRES (OF AMMUNITION PLANTS/DEPOTS), THAT "CARTRIDGE RETAINING TAB AT EACH END OF SPRING SHALL BE BENT CLOSE TO END CARTRIDGE IN STACK AFTER TEN CARTRIDGES HAVE BEEN LOADED. RE-BENDING OF TABS IS NOT PERMITTED". REASON: RE-BENDING OF TABS CAUSES TABS TO HARDEN, CRACK AND BREAK OFF.

NOTE 2 OF DRAWING 11010483 CLIP, CARTRIDGE: 5.56MM, 10 ROUND, IS INTENDED TO PREVENT POTENTIAL WEAPON STOPPAGES AS A RESULT OF CLIP SPRING RETAINING TABS BREAKING OFF AND FALLING INTO MAGAZINE DURING LOADING. POSSIBILITY EXISTS THAT DURING FIRING, SPRING TABS (P/N 11010482) COULD CAUSE OBSTRUCTION IN RIFLE RECEIVERS, BOLT CARRIER GROUP OR COULD POTENTIALLY ENTER BORE AND CHAMBER OF BARREL.

FIELD RETURN CLIPS SHALL NOT BE REUSED BY LOADER (PLANTS/ DEPOTS). SMALL QUANTITIES OF RESIDUAL AMMUNITION AT RETAIL (USER) LEVEL AS WELL AS QUANTITIES REMOVED FROM CLIPS AS SURVEILLANCE INSPECTION SAMPLES MAY BE RECLIPPED WITH USED CLIPS PROVIDED RECLIPPED AMMUNITION IS VISUALLY INSPECTED 100 PERCENT AT TAB BEND FOR CRACKS OR MISSING TABS. AMMUNITION CLIPS FOUND DEFECTIVE AFTER LOADING SHALL BE REPLACED.

ABOVE INFORMATION WILL BE IN EFFECT UNTIL APPLICABLE DMWRS ARE UPDATED.

AMMO INFO NOTICE 054-2004:

SUBJ: DIMPLE IN THE FIRING PLUG OF CARTRIDGE, 81MM, ILLUMINATION IR, M816 (1315-C484)

81MM, ILLUMINATION IR, M816 CARTRIDGES MAY SHOW A DIMPLE IN THE CENTER OF THE FIRING PLUG. THE FIRING PLUG IS LOCATED IN THE CENTER OF THE IGNITION CARTRIDGE AT THE BASE OF THE FIN. SOMETIMES THE FIRING PLUG IS OFTEN THOUGHT TO BE THE PRIMER, HOWEVER, THIS IS INCORRECT. THE PRIMER CAN NOT BE SEEN ON THE OUTSIDE OF THE IGNITION CARTRIDGE IT IS LOCATED UNDERNEATH THE FIRING PLUG. THE FIRING PLUG RESTS ON TOP OF THE PRIMER AND IS USED TO INITIATE FUNCTIONING OF THE PRIMER.

THE DIMPLES ARE THE RESULT OF THE MANUFACTURING PROCESS.

SINCE THE MANUFACTURING PROCESS OF THE FIRING PLUG IS SIMILAR FOR ALL MORTAR DODICS, THE MARINE CORPS MUST ALERT TO THIS DEFECT. THE DIMPLE MAY RESEMBLE THAT OF A FIRING PIN STRIKE ON THE FIRING PLUG (DESCRIBED AS A DENT IN THE CURRENT MISFIRE PROCEDURES).

THE MARINE CORPS IS CURRENTLY NOT PROCURING OR STOCK SWAPPING WITH KNOWN AMMUNITION LOTS WITH THIS DEFECT. HOWEVER, THERE STILL IS A POSSIBILITY THAT AMMUNITION LOTS WITH THIS DEFECT COULD FIND THEIR WAY INTO THE MARINE CORPS STOCKPILE. ADDITIONALLY, PREVIOUSLY OPENED AMMUNITION TURNED-IN FROM THE FIELD AND FOUND TO HAVE A DENTED PRIMER SHOULD BE TREATED AS A MISFIRE.

WITH THE EXCEPTION OF THE LOT LISTED IN PARAGRAPH 6, ANY DIMPLED PRIMER SHOULD BE TREATED AS A MISFIRE AND IMMEDIATELY REPORTED IN A MALFUNCTION MESSAGE. LOTS IDENTIFIED AS TO HAVE THIS DIMPLED PRIMER DEFECT WILL BE INCORPORATED INTO PARAGRAPH 6.

THE FOLLOWING C484 ALNS HAVE BEEN IDENTIFIED AS CONTAINING CARTRIDGE LOT ITH00F001-001.

PB-01D000E005 PB-01D000E006
PD-01D001A001 PB-01E001-001

AMMO INFO NOTICE 055-2004:

SUBJ: CARTRIDGE, 81MM, ILLUMINATING, M853A1 M772 MTSQ FUZE LESS PRECISE AT COLD TEMPERATURE (1315-C871)

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL UNITS USING THE M772 MTSQ FUZE IN THE C871 ILLUMINATING CARTRIDGE. THE M772 MTSQ FUZE BECOMES LESS PRECISE AT -25 DEGREES FAHRENHEIT OR COLDER. ON AVERAGE, THE FUZE FUNCTION TIME LAGS THE FUZE SET TIME BY 0.8 SECONDS. LAG TIME RESULTS IN LOW HEIGHT OF BURST AND THE CANDLE HITTING THE GROUND WHILE BURNING. LAG TIME INCREASES AS THE TEMPERATURE INCREASES.

UNITS FIRING THESE ILLUMINATING CARTRIDGES SHOULD ADJUST THE FUZE SET TIME IDENTIFIED IN FIRING TABLE FT81-AR-2 AS FOLLOWS:

AT 0 DEGREES FAHRENHEIT, DECREASE THE FUZE SET TIME BY 0.7 SECONDS.

AT +32 DEGREES FAHRENHEIT, DECREASE THE FUZE SET TIME BY 0.5 SECONDS.

AT +70 DEGREES FAHRENHEIT OR HIGHER, NO ADJUSTMENT IS NECESSARY.

AMMO INFO NOTICE 056-2004:

SUBJ: CHARGE, DEMOLITION, LINEAR (1375-M913,M914)

THIS AIN SUPERSEDES NALC AIN 029-02 (091950Z MAY 02).

USING UNITS ARE REQUIRED TO RETURN ALL EMPTY M58A3, M58A4 (DODIC M913) AND M68A2 (DODIC M914) CONTAINERS TO THE AMMUNITION SUPPLY POINTS.

AMMUNITION SUPPLY POINTS: WHENEVER A FULL TRUCK LOAD (40 CONTAINERS) IS ACCUMULATED, THE ASP SHALL REQUEST DISPOSITION FROM MARCORSYSCOM WASHINGTON DC, AM-IM. NSN 8140-01-295-3278 (M913/M914) WILL BE USED ON SHIPPING DOCUMENTS AND THE CONTAINERS SHIPPED TO:

COMMANDER
ATTN: BLDG 2078
CRANE ARMY AMMUNITION ACTIVITY
300 HIGHWAY 361
CRANE IN 47522-5001

AMMO INFO NOTICE 059-2004:

SUBJ: ROCKET, ASSAULT ENCASED, 83MM, SMAW 9MM SPOTTING CARTRIDGE MUZZLE VELOCITY VARIANCE (1340-HX05,HX06,HX07,HA34)

THIS AIN SUPERSEDES NALC AINS 043-99/041-01/
058-04 (DTGS 091935Z AUG 99, 171940Z APR 01,
081955Z JUN 04).

AMMO INFO NOTICE 060-2004:

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL
UNITS FIRING SUBJECT ROCKETS.

THE SPOTTING RIFLES USED WITH THE HX05, HX06, HX07,
AND HA34 PRODUCE SUBSTANTIALLY DIFFERENT MUZZLE VELOCITIES
WHEN FIRING THE CARTRIDGES FROM THE SAME 9MM AMMUNITION LOT.
THIS VARIANCE HAS BEEN MEASURED AS HIGH AS 9.37 METERS PER
SECOND. THIS CAN DECREASE THE FIRST ROUND HIT PROBABILITY
OF THE 83MM SMAW ROCKET SINCE THE TWO ARE DESIGNED AS A
BALLISTIC MATCH. THERE IS NO CURRENT FIX. THIS AIN WILL BE
REVISED WHEN CORRECTIVE ACTION IS IDENTIFIED.

SUBJ: INTER- CHANGEABILITY OF 5.56MM BALL, TRACER AND BLANK
AMMUNITION (1305-A059,A062,A063,A064,A066,A068,A071,A073,A075,A08
0, AA33,AA40,AA45,AA53,AA67)(1330-G841)

THIS AIN SUPERSEDES NALC AIN 035-99 (151935Z JUN 99).

REF CDRJMC ROCK ISL IL 311608Z OCT 03.

FOLLOWING GUIDANCE ON INTERCHANGEABILITY OF 5.56MM
AMMUNITION IS PROVIDED:

(A) CARTRIDGES, 5.56MM BALL M193 AND TRACER M196 ARE
INTENDED FOR USE IN M16 AND M16A1 RIFLES.

(B) CARTRIDGES, 5.56MM BALL M855 AND TRACER M856 ARE
INTENDED FOR USE IN M16A1HB, M16A2, M16A3, AND
M16A4 RIFLES, COLT 727 CARBINES, M4 AND M4A1
CARBINES, AND IN THE M249 5.56MM MACHINE GUN,
SQUAD AUTOMATIC WEAPON (SAW) AND IN THE MK46
LIGHT MACHINE GUN (LMG)) IN LINKED CONFIGURATION.

MACHINE GUN, 5.56MM, M249 SAW AND MK46 LMG:

(A) M249 SAW AND MK46 LMG CONSISTS OF MACHINE GUN
UTILIZING M855 BALL AND M856 TRACER AMMUNITION
WITH M27 LINK. M249 SAW AND MK46 LMG HAS A ONE
TURN IN SEVEN INCH (1:7) RIFLING TWIST WHICH IS
DESIGNED TO SHOOT M855/M856 CARTRIDGES.
PROJECTILES OF CARTRIDGES M855/M856 HAVE A STEEL
PENETRATOR AND ARE HEAVIER THAN M193/M196
PROJECTILES. AS A RESULT, A DIFFERENT BARREL
RIFLING TWIST IS REQUIRED FOR PROJECTILE STABILITY
DURING FLIGHT. CARTRIDGES M193 AND M196 MAY BE
FIRED SAFELY IN M249 SAW OR MK46 LMG. HOWEVER,
EFFECTIVE RANGE IS REDUCED FROM 1000 METERS TO 500
METERS.

(B) AS A RESULT OF M249 SAW PRODUCT IMPROVEMENT
PROGRAM (PIP), M249 MAGAZINES AND FEED STRAPS WILL
BE PRODUCED IN BLACK (NEW DESIGN). OLDER MAGAZINES
AND FEED STRAPS ARE GREEN IN COLOR (PRIOR DESIGN).
THESE SAME MAGAZINES ARE USED WITH THE MK46 LMG.

(C) THE MANUFACTURER HAS BEEN AUTHORIZED TO MIX "PRIOR
DESIGN" WITH "NEW DESIGN" UNTIL "PRIOR DESIGN"
MAGAZINE AND FEED STRAPS ARE EXHAUSTED. FIELD
RECEIPTS OF NEW MANUFACTURE MAY BE RECEIVED IN A
COMBINATION NOTED BELOW. UNLESS OTHERWISE
UNSERVICEABLE, LOTS WILL BE RECEIVED IN AMMUNITION
CONDITION CODE ALPHA (CC-A).

(1) ONE CARTRIDGE LOT MAY CONTAIN BOTH GREEN
"PRIOR DESIGN" AND BLACK "NEW DESIGN"
MAGAZINES.

(2) THE SAME CARTRIDGE LOT MAY CONTAIN BOTH GREEN
"PRIOR DESIGN" AND BLACK "NEW DESIGN" FEED
STRAPS.

(3) GREEN "PRIOR DESIGN" FEED STRAPS MAY BE USED
WITH BLACK "NEW DESIGN" MAGAZINES.

FOLLOWING AMMUNITION MAY BE USED IN M249 SAW OR MK46 LMG:

DODIC	NOMENCLATURE
1305-A062	CTG, 5.56MM BALL M855 W/M27 LNK
1305-A064	CTG, 5.56MM 4 BALL M855/1 TR M856 W/M27
1305-A073	CTG, 5.56MM 4 BALL M193/1 TR M196 W/M27
1305-A075	CTG, 5.56MM BLANK M200 W/M27 LNK

NOTE: M249 SAWS MACHINE GUN HAS AN ALTERNATIVE 30 ROUND MAGAZINE FEEDING PROVISION. IN ACCORDANCE WITH FM 23-14, USE OF THE 30 ROUND MAGAZINE IS AUTHORIZED ONLY IN EMERGENCY SITUATION. BECAUSE OF CRITICAL SHORTAGES OF DODICS A064 AND A062, THE 30 ROUND MAGAZINE IS AUTHORIZED FOR SOME M249 TRAINING (INSTRUCTIONAL FIRING IN UNITS AND BCT) AS AN INTERIM SOLUTION UNTIL SUPPLIES OF LINKED AMMUNITION IS AVAILABLE. LINKED 5.56MM AMMUNITION SHOULD BE USED FOR ALL M249 RECORD QUALIFICATIONS. CARTRIDGES M193/M196 AND M855/M856 LOADED IN M16 SERIES RIFLE 30-ROUND MAGAZINES MAY BE FIRED SAFELY IN M249 SAWS MACHINE GUN, HOWEVER, THIS SHOULD BE AVOIDED BECAUSE OF SUBSTANTIALLY REDUCED MACHINE GUN RELIABILITY.

RIFLES, 5.56MM, M16, M16A1, M16A1HB, M16A2, M16A3, M16A4, AND CARBINE, 5.56MM, COLT 727, M4 AND M4A1 IDENTIFICATION: WEAPONS CAN BE VISUALLY IDENTIFIED BY LOOKING AT LEFT SIDE OF LOWER RECEIVER. MODEL NUMBER WILL BE STAMPED IMMEDIATELY ABOVE SERIAL NUMBER. A XM16E1 STAMP ALSO INDICATES AN M16A1 RIFLE. A MARKING OF AR-15 SHOULD BE IGNORED. DO NOT RELY ON APPEARANCE OF RIFLE BUTTSTOCK OR HANDGUARD TO TELL RIFLES APART BECAUSE M16A1 RIFLE MAY BE REFITTED WITH M16A2 BUTTSTOCK OR NAVY VERSIONS OF THE M16A1HB (NSN 1005-LL-L99-5742) AND M16A3 (NSN 1005-01-357-5112) MAY BE STAMPED AS M16A1 RIFLES, HOWEVER THEY ARE FITTED WITH ONE TURN IN SEVEN INCH TWIST RATE BARRELS AND ARE DESIGNED TO SHOOT CARTRIDGES M855 AND M856. THE TWIST RATE ON THESE WEAPONS IS STAMPED ON THE BARREL NEAR THE FRONT SIGHT. THE CARBINE 5.56MM, COLT 727 IS A SHORTER VERSION OF THE M16 SERIES RIFLES WITH A BARREL LENGTH OF 14.5 INCHES. CARBINE, 5.56MM, M4 AND M4A1 ARE A SHORTER VERSION OF M16 SERIES RIFLES. THE LOWER RECEIVERS ARE THE SAME AND THE UPPER RECEIVER CARRYING HANDLE IS REMOVABLE. THE BARRELS ARE SHORTER, 14.5 INCHES IN LENGTH, WITH SHORTER HANDGUARDS. THE BUTTSTOCK IS SHORTER AND IS COLLAPSIBLE. CARBINE BARRELS ALSO HAVE A RIFLING TWIST OF ONE TURN IN SEVEN INCHES AND ARE DESIGNED TO SHOOT CARTRIDGES M855 AND M856.

RIFLE, 5.56MM, M16 AND M16A1: M16 AND M16A1 RIFLES HAVE A RIFLING TWIST OF ONE TURN IN TWELVE INCHES (1:12) AND ARE DESIGNED TO SHOOT M193/M196 CARTRIDGES. AMMUNITION CARTRIDGES M855, M856, JACKETED FRANGIBLE OR MK 262 MOD 0 SHOULD NOT BE FIRED IN EITHER OF THESE RIFLES BECAUSE PROJECTILE IS NOT STABILIZED BY THEIR BARRELS 1:12 RIFLING TWIST. WHEN M855 AND M856 AMMUNITION IS FIRED IN THESE RIFLES, THE PROJECTILE TUMBLES IN FLIGHT (YAWS), DUE TO INCREASED WEIGHT AND LENGTH, CAUSING EXTREME INACCURACY AND RANGE REDUCTION, WHICH CAN RESULT IN MISSING A MAN SIZE TARGET AT RANGES AS CLOSE AS 100 METERS.

FOLLOWING AMMUNITION MAY BE USED IN M16/M16A1 RIFLES:

DODIC	NOMENCLATURE
1305-A066	CTG, 5.56MM BALL M193 CTN PACK
1305-A068	CTG, 5.56MM TRACER M196 CTN PACK
1305-A071	CTG, 5.56MM BALL M193 10/CLIP
1305-A080	CTG, 5.56MM BLANK M200 CTN PACK
1330-G841	CTG, GRENADE, RIFLE 5.56MM, M195

RIFLE, 5.56MM, M16A2 AND M16A3 AND CARBINE, 5.56MM, M4 AND M4A1: WEAPONS HAVE A RIFLING TWIST OF ONE TURN IN SEVEN INCH (1:7, SAME AS SAWS) AND ARE DESIGNED TO SHOOT CARTRIDGES M855, M856, JACKETED FRANGIBLE AND MK 262 MOD 0. M16A2 AND M16A3 RIFLES ALSO SHOOT M193/M196 CARTRIDGES SAFELY AND ACCURATELY, HOWEVER RANGE IS REDUCED APPROXIMATELY 16 PERCENT. PENETRATION IS ALSO REDUCED BECAUSE M193/M196 PROJECTILES ARE LIGHTER AND M193 BALL CARTRIDGE DOES NOT CONTAIN A STEEL PENETRATOR. M4 AND M4A1 CARBINES ALSO SHOOT M193/M196 CARTRIDGES

SAFELY AND ACCURATELY, HOWEVER RANGE AND PENETRATION ARE AFFECTED

IN THE SAME MANNER AS M16A2 AND M16A3 RIFLES.

FOLLOWING AMMUNITION MAY BE USED IN M16A2, M16A3 RIFLES AND M4, M4A1 CARBINE:

DODIC	NOMENCLATURE
1305-AA33	CTG, 5.56MM BALL M855 COMM PK
1305-AA40	CTG, 5.56MM FRANGIBLE
1305-AA45	CTG, 5.56MM BALL LFS M855
1305-AA53	CTG, 5.56MM 77GR BTHP NON-MOLY
1305-AA67	CTG, 5.56MM 77GR BTHP MOLY COATED
1305-A059	CTG, 5.56MM BALL M855 10/CLIP
1305-A063	CTG, 5.56MM TR M856 SNGL RD
1305-A080	CTG, 5.56MM BLANK M200 CTN PACK

IT IS ACCEPTABLE TO USE M193 AND M19 AMMUNITION IN TRAINING IN M16A1HB, M16A2, M16A3 RIFLES AND COLT 727, M4 AND M4A1 CARBINES (16 PERCENT RANGE REDUCTION). SUBSTITUTING BETWEEN TYPES OF AMMUNITION DURING FIRING IS NOT RECOMMENDED. DO NOT ZERO M16A1HB, M16A2, M16A3 RIFLES OR COLT 727, M4 AND M4A1 CARBINES WITH M193 AND THEN FIRE M855/M856 AS PERFORMANCE WILL BE AFFECTED. CARTRIDGES M855 AND M856 AMMUNITION ARE EXTREMELY INACCURATE WHEN FIRED IN M16 AND M16A1. THE M16 AND M16A1, WITH THEIR 1:12 TWIST, DO NOT IMPART ENOUGH SPIN ON THE HEAVIER M855/M856 PROJECTILE TO STABILIZE IT IN FLIGHT CAUSING ERRATIC PERFORMANCE AND RESULTING INACCURACY. THEREFORE, WHILE SAFE TO FIRE IN M16 AND M16A1 THEY SHOULD ONLY BE USED IN EMERGENCY COMBAT, AND THEN ONLY FOR CLOSE RANGES OF 91.4 METERS (100 YARDS) OR LESS.

CARTRIDGE, 5.56MM BLANK M200, CARTRIDGE, GRENADE RIFLE 6MM M195 AND CARTRIDGE, 5.56MM BLANK, M755.

- (A) THE M200 BLANK CARTRIDGE IS DESIGNED FOR SIMULATED FIRING IN TRAINING EXERCISES AND SALUTING PURPOSES WITH M16 SERIES RIFLES, M4 SERIES CARBINES, AND IN M249 SAW MACHINE GUN, IN LINKED CONFIGURATION, USING BLANK FIRING ATTACHMENT (BFA).
- (B) THE M195 IS DESIGNED TO PROPEL GRENADES FROM M16 AND M16A1 RIFLE TO A TARGET USING A GRENADE PROJECTION ADAPTER. THE M195 IS ALSO USED TO PROJECT THE LAUNCHED GRAPNEL HOOK (LGH).
- (C) THE M755 BLANK CARTRIDGE IS ESPECIALLY DESIGNED FOR USE WITH THE STING RING AIRFOIL MUNITION SYSTEM WHICH CONSISTS OF THE M234 LAUNCHER AND THE M742 CS RIOT-CONTROL 64MM PROJECTILE AND THE M743 KINETIC-ENERGY RIOT FIRED FROM THE M16A1 RIFLE ONLY.
- (D) BLANK CARTRIDGES ARE IDENTICAL IN DIMENSION AND HAVE THE ROSE-PETAL (ROSETTE-CRIMP) CLOSURE OF THE CARTRIDGE CASE MOUTH. HOWEVER, EACH HAS A DIFFERENT COLOR LACQUER APPLIED TO THE ROSETTE-CRIMP TO PREVENT MIXING. THE M200 HAS VIOLET LACQUER ON THE CRIMP

WITH AN ENGRAVED KNURL LOCATED 1/2 INCH FROM THE HEAD OF THE CARTRIDGE. THE M195 IS IDENTIFIED WITH RED LACQUER ON CARTRIDGE CASE MOUTH. THE M755 HAS YELLOW LACQUER TO LESSEN MIXING WITH M200 CARTRIDGE. THE FOLLOWING REFERENCES SHOULD BE REVIEWED FOR FURTHER INFORMATION ON AMMUNITION AND WEAPON SYSTEMS:

- (A) FM 23-9; M16A1 AND M16A2 RIFLE MARKSMANSHIP, JUNE 1979.
- (B) TM 9-1005-201-10; OPERATOR'S MANUAL MACHINE GUN, 5.56MM, M249 W/CHANGES.
- (C) TM 9-1005-249-10; OPERATOR'S MANUAL FOR RIFLE, 5.56MM, M16 (1005-00-856-6885) RIFLE 5.56MM, M16A1 (1005-00-073-9421) W/CHANGES.
- (D) TM 9-1005-319-10; OPERATOR'S MANUAL W/COMPONENTS LIST RIFLE, 5.56MM, M16A2 W/E (1005-01-128-9936) W/CHANGES.
- (E) TM 43-0001-27, ARMY AMMUNITION DATA SHEETS, SMALL CALIBER AMMUNITION, FSC 1305, APRIL 1995, W/CHANGES.
- (F) NAVSEA SW010-AD-GTP-010, TECHNICAL MANUAL FOR SMALL ARMS AND SPECIAL WARFARE AMMUNITION, FIRST REVISION CHANGE A, 1 OCT 1996.

AMMO INFO NOTICE 061-2004:

SUBJ: IN- CORRECTLY MARKED WIREBOUND CRATES OF 5.56MM SMALL ARMS AMMUNITION (1305-A059,A062,A063,A064,A066,A071,A075,A080, AA

45)

THIS AIN SUPERSEDES NALC AIN 014-03 (291600Z JAN 03).

THIS AIN APPLIES TO NAVY STOCKS ONLY.

REPORTS FROM LAKE CITY ARMY AMMUNITION PLANT AND FROM THE FIELD HAVE INDICATED THAT LOTS OF 5.56MM AMMUNITION PRODUCED OR PACKED BETWEEN 1 JUNE 2002 AND 30 AUGUST 2003 MAY HAVE BEEN PACKED IN INCORRECTLY MARKED WIREBOUND CRATES.

- (A) OUTER PACKS OF 5.56MM AMMUNITION WERE REPORTED MARKED AS A080 BLANK M200, BUT CONTAINED INNER PACKS MARKED AS, AND CONTAINING A059 BALL M855; AND ALSO OUTER PACKS MARKED A059 BALL M855 CONTAINED INNER PACKS MARKED AS, AND CONTAINING A071 BALL M193 WERE REPORTED. THESE WERE ONLY MARKING DISCREPANCIES, AND NO MIXED ROUNDS WERE FOUND. ALL NAVY STOCKS OF DODIC A075 AND A080 MANUFACTURED DURING THIS TIME FRAME HAVE BEEN RESTRICTED TO C/C LIMA, NARS 0279-03, 0280-03, 0281-03, 0282-03, 0283-03, 0299-03, 0566-03, 0864-03, 0913-03, 0914-03 AND 0080-04 APPLY.

- (B) IN THE CASE OF BALL AMMUNITION MARKED AS BLANK, IT IS A CRITICAL DEFECT. USE OF WRONG MODEL NUMBER BALL AMMUNITION IN THE WRONG WEAPON COULD RESULT IN REDUCED PERFORMANCE AS STATED IN NAVY/MC AIN 060-04.

IT HAS BEEN DETERMINED THAT DODICS A059, A062, A063, A064, A066, A071, A075, A080, AA02 AND AA45 MANUFACTURED BETWEEN 1 JUNE 2002 AND 30 AUGUST 2003 ARE SUSPECTED OF HAVING INCORRECTLY MARKED WIREBOUND CRATES. IF ANY A075/A080 LOTS AND DODIC A059, LOT NUMBER (LC-02E143-015) ARE FOUND INCORRECTLY MARKED, IMMEDIATELY REPORT DISCREPANCY TO NAVSURFWARCENDIV CRANE PM416, MR. JOHN YARBOR, DSN 482-5884 OR COM 812-854-5884, E-MAIL YARBOR_J@CRANE.NAVY.MIL. UNIT MUST ALSO FILE A CODR IAW THE MOST RECENT REVISION OF OPNAVINST 5102.1.

DURING REMOVAL OF WIREBOUND CRATES, AND BEFORE USE, IT IS

AMMO INFO NOTICE 062-2004: IMPORTANT FOR EVERYONE INVOLVED WITH 5.56MM AMMUNITION, ESPECIALLY THE WAR FIGHTERS TO BE OBSERVANT, AND POSITIVELY IDENTIFY THE DODIC AND MODEL NUMBER ON THE INNER PACK FOR AMMUNITION MADE DURING THIS TIMEFRAME.

SUBJ: IDENTI- FYING AND REPORTING SEAWATER BATTERY (6135-TU44)

THE SERVICE LIFE OF THE SEAWATER BATTERY, NALC TU44, IS 13 YEARS. AS OF JANUARY 1997, THE REQUIREMENT TO REPORT SEAWATER BATTERIES BY SERIAL NUMBER HAS BEEN DELETED. IAW PEO LETTER PEOSUB 8510 SER PMS404L/030 OF 23 JANUARY 2003: THE MAINTENANCE INTERVAL FOR THE MK 46 TORPEDO WAS EXTENDED TO TEN YEARS VICE EIGHT YEARS.

AS A RESULT OF THESE ACTIONS AND TO BETTER IDENTIFY SEAWATER BATTERY REQUIREMENTS AND PROCUREMENTS, THE FOLLOWING CRITERIA IS PROVIDED FOR IDENTIFYING AND REPORTING BATTERIES AND THEIR CONDITION. UPDATE CAIMS ACCORDINGLY.

A CONDITION: DATE OF MANUFACTURE TO TWO YEARS.

B CONDITION: TWO YEARS PLUS ONE DAY UP TO 13 YEARS.

H CONDITION: 13 YEARS PLUS ONE DAY AND BEYOND.

DISPOSE OF LOCALLY.

UNLESS OTHERWISE DIRECTED, "B" CONDITION SEAWATER BATTERIES SHALL BE USED FOR MK 46 EXERCISE TORPEDOES. SEAWATER BATTERIES WITH CUT LANYARDS WILL BE IDENTIFIED AS "B" CONDITION, AND USED WITH APPROPRIATE EXERCISE CONFIGURATIONS. IF SEAWATER BATTERIES WITH CUT LANYARDS ARE NOT USEABLE THEY SHALL BE IDENTIFIED AS "H" CONDITION AND DISPOSED OF LOCALLY. EXERCISE TORPEDOES WITH "B" CONDITION SEAWATER BATTERIES INSTALLED SHALL BE REPORTED AS "A" CONDITION WEAPONS.

AMMO INFO NOTICE 063-2004: SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 063-04.

PREMATURE

/DETONATIONS OF JAVELIN MISSILES (1427-PL34,PL53)

REQUEST THIS INFORMATION BE PASSED TO ALL USERS OF JAVELIN MISSILES

THE MARINE CORPS AND ARMY HAVE EXPERIENCED PREMATURE DETONATIONS WITH BOTH DODIC PL34 AND PL53 JAVELIN MISSILES. THE PREMATURE DETONATIONS INVOLVE THE ELECTRONIC SAFE, ARM, AND FIRE (ESAF) DETONATING THE WARHEADS PRIOR TO IMPACTING A TARGET. THESE INCIDENTS HAVE OCCURRED IMMEDIATELY AFTER THE NORMAL ARMING SEQUENCE HAS COMPLETED. THIS INCIDENT HAS OCCURRED

IN 2 OUT OF A REPORTED 552 FIRINGS OF PL34 AND PL53 MISSILES FOR A FAILURE RATE OF 0.3 PERCENT. THERE IS AN ON-GOING ARMY/USMC/MANUFACTURE FAILURE REVIEW BOARD INVESTIGATING THIS FAILURE MODE.

AT THE TIME OF THE MALFUNCTION THE MISSILES WERE WELL BEYOND THE SAFE SEPARATION DISTANCE OF 26 METERS. HOWEVER, UNTIL THE INVESTIGATION IS COMPLETE ENSURE THAT WHEN PL34 OR PL53 JAVELIN MISSILES ARE EMPLOYED DURING COMBAT THEY ARE NOT FIRED OVERHEAD OF FRIENDLY FORCES.

THE MOST RECENT JAVELIN MISSILES (PL64) WERE MANUFACTURED WITH A REDESIGNED ESAF DESIGNATED THE COMMON ESAF.

FIRING OF MISSILES WITH COMMON ESAF HAVE NOT RESULTED IN PREMATURE DETONATIONS.

AMMO INFO NOTICE 064-2004: SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 064-04. SAFETY /AND GUIDANCE INSTRUCTIONS FOR LIFTING PLUG REMOVAL OF /PROJECTILES HAVING POSSIBLE RUPTURED EXPELLING CHARGE / (1320-D505)

THIS AIN SUPERSEDES NALC AIN 011-03 (161935Z JAN 03).

THIS AIN WILL BE DISSEMINATED TO ALL ARTILLERY PERSONNEL AND UNITS, AMMUNITION SUPPLY POINTS AND INSPECTION PERSONNEL.

THIS AIN PROVIDES ADDITIONAL SAFETY AND GUIDANCE INSTRUCTIONS REGARDING THE REMOVAL OF THE LIFTING PLUG AND HANDLING OF PROJECTILES HAVING POSSIBLE RUPTURED EXPELLING CHARGE.

- (A). ARMY TM 9-1025-211-10/1 MARINE CORPS
TM 08198A-10/1 WARNS USERS NOT TO USE A PROJECTILE WITH EXPLOSIVE ON THE FUZE WELL THREADS OR POSSIBLE POWDER SEEPAGE. THIS COULD CAUSE FUNCTIONING OF THE PROJECTILE FUZED OR FIRED. IT ALSO INSTRUCTS USERS TO REMOVE THE LIFTING PLUG AND INSPECT THE CAVITY AND PROJECTILE THREADS FOR DAMAGE. IF ANY EXPLOSIVE IS FOUND STUCK TO THE THREADED PORTION OF THE PROJECTILE THROAT (FUZE WELL), DO NO FIRE.
- (B). SLOWLY REMOVE THE LIFTING PLUG FROM THE FUZE CAVITY. THIS WILL ALLOW INTERNAL PRESSURE, WHICH NORMALLY BUILDS UP IN THE PROJECTILE BODY, TO DISSIPATE MORE SLOWLY. RAPIDLY REMOVING THE LIFTING PLUG MAY CAUSE A SPONTANEOUS RUPTURE OF THE EXPELLING CHARGE CONTAINER AND EXPEL ITS CONTENTS DUE TO A SUDDEN CHANGE IN INTERNAL PRESSURE. A HISSING SOUND MAY OCCUR WHEN REMOVING THE LIFTING PLUG FROM THE PROJECTILE. IF HISSING IS HEARD, LOOSEN THE LIFTING PLUG ONLY TO THE POINT THAT AIR CAN BE HEARD ESCAPING FROM THE EXPELLING CHARGE CAVITY. THE LIFTING PLUG SHOULD REMAIN IN PLACE FOR A MINIMUM OF 2 MINUTES PRIOR TO INSPECTION.
- (C). ONCE THE LIFTING PLUG IS REMOVED, INSPECT THE CONDITION OF THE LIFTING PLUG, THE FUZE WELL AND THE PRIMARY EXPELLING CHARGE. THE FOLLOWING MAY BE OBSERVED:
 - (1). HISSING NOISE WHEN LIFTING PLUG REMOVED
 - (2). SPONTANEOUS RUPTURE OF EXPELLING CHARGE WHEN LIFTING PLUG REMOVED
 - (3). EXPELLING CHARGE CONTAINER SPLIT, CRACKED OR TORN WITH CONTENTS EXPOSED (MAJOR DEFECT)
 - (4). LOOSE BLACK POWDER OR RESIDUE (MAJOR DEFECT)IF POPPING NOISE IS HEARD DURING OR AFTER REMOVAL OF THE LIFTING PLUG, THERE IS A STRONG POSSIBILITY THAT THE BLACK POWDER FROM THE EXPELLING CHARGE IS PRESENT ON THE LIFTING PLUG OR THE FUZE WELL THREADS. INSPECT EXPELLING CHARGE TO DETERMINE WHETHER IT IS SPLIT OR CRACKED AROUND THE UPPER SEAM. IF INSPECTION REVEALS THE EXPELLING CHARGE HAS BEEN SPLIT/CRACKED, THE FOLLOWING ACTION WILL BE TAKEN FOR THESE ROUNDS.
 - (A). DO NOT REPLACE THE LIFTING PLUG.
 - (B). REMOVE EXPELLING CHARGE AND PLACE IT WITH OTHER UNUSED POWDER INCREMENTS LEFT OVER AFTER ROUNDS HAVE BEEN FIRED. DISPOSE OF IN ACCORDANCE WITH CURRENT REGULATIONS.
 - (C). USE A DAMP RAG AND WIPE OUT THE FUZE WELL THREADS AND LIFTING PLUG THREADS REMOVING BLACK POWDER. ENSURE THAT THREADS ON BOTH PROJECTILE
FUZE WELL AND LIFTING PLUG ARE FREE OF

Appendix A Section 3
AMMUNITION INFORMATION NOTICES

NAVSEA TW024-AA-ORD-01

12-OCT-04 08:27:32

CPMAL021R

FOREIGN MATERIAL/EXPLOSIVES. DAMP RAG WILL BE
DISPOSED OF WITH THE EXPPELLING CHARGE(S).
(D). SLOWLY REPLACE LIFTING PLUG, CONSPICUOUSLY MARK
UNSERVICEABLE AMMUNITION "UNSERVICEABLE,
MISSING EXPPELLING CHARGE" AND RETURN TO THE ASP
FOR DISPOSITION.

A DEFECT REPORT WILL BE SUBMITTED IN ACCORDANCE
WITH MCO 8025.1

AMMO INFO NOTICE 065-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 065-04. INTERIM
/HAZARD CLASSIFICATION (1370-LA01,LA02)

WHEN FIRST FIELDIED IN OCTOBER 1995, DECOY FLARES MJU-32/B
(NALC LA01), AND MJU-38/B (NALC LA02) WERE ASSIGNED HAZARD
CLASS 1.3G. SUBSEQUENTLY, IN FEBRUARY 2000, DEPARTMENT OF
TRANSPORTATION REVISED THE HAZARD CLASS TO 1.4G.

THE NAVAL ORDNANCE SAFETY AND SECURITY ACTIVITY HAS ISSUED
INTERIM HAZARD CLASSIFICATION LETTER 8020HC SER N735/1064
OF 7 JUL 2004 COVERING ALL LOTS MARKED WITH THE INITIAL
1.3G HAZARD CLASSIFICATION AS FOLLOWS:

QUOTE

"DEPARTMENT OF THE NAVY
NAVAL ORDNANCE SAFETY & SECURITY ACTIVITY
FARRAGUT HALL BLDG D-323
23 STRAUSS AVENUE
INDIAN HEAD MD 20640-5555

FROM : COMMANDING OFFICER,NAVAL ORDNANCE SAFETY AND SECURITY
ACTIVITY

TO : COMMANDER, CRANE DIVISION, NAVAL SURFACE WARFARE CENTER
CODE 4071

SUBJ : INTERIM HAZARD CLASSIFICATION FOR MJU-32/B AND
MJU-38/B DECOY FLARES

ENCL : LIST OF LA01 AND LA02 LOTS AFFECTED

REF: 8020HC SER N735/1064 7 JUL 2004

COMMANDING OFFICER, NAVAL ORDNANCE SAFETY AND SECURITY
ACTIVITY COMMANDER, CRANE DIVISION, NAVAL SURFACE WARFARE
CENTER (CODE 4071)

INTERIM HAZARD CLASSIFICATION FOR MJU-32/B AND MJU-38/B
DECOY FLARES

(1) LIST OF LA01 AND LA02 LOTS AFFECTED

(A) NAVSURFWARCENDIV CRANE LTR 8050/400 SER 4071/40028

(B) NAVSEAINST 8020.8B

(C) CODE OF FEDERAL REGULATIONS TITLE 49 SECTION

(D) CODE OF FEDERAL REGULATIONS TITLE 49 SECTION 173.60

(E) CODE OF FEDERAL REGULATIONS TITLE 49 SECTION 173.62

OF 23 JUN 04 173.56 (B) (2)

1. AS REQUESTED BY REFERENCE (A), THE FOLLOWING INTERIM HAZARD
CLASSIFICATION IS ASSIGNED:

A. NOMENCLATURE: MJU-32/B AND MJU-38/B DECOY FLARES
SPECIFICALLY ASSIGNED THE LOT NUMBERS
CONTAINED WITHIN ENCLOSURE (1)

(1) DOD HAZARD CLASSIFICATION: 1.3G

(2) DOT HAZARD CLASSIFICATION: 1.3G

(3) DOT LABEL : EXPLOSIVE 1.3G

(4) UN NUMBER: 0093

(5) PROPER SHIPPING NAME: FLARES , AERIAL

(6) NET EXPLOSIVE WEIGHT: 0.33 LB (151.1 G)

2. THIS INTERIM HAZARD CLASSIFICATION EXPIRES 31 AUGUST 2005.

A COPY OF THIS LETTER MUST ACCOMPANY EACH SHIPMENT.

3. THIS CLASSIFICATION HAS BEEN ASSIGNED IN ACCORDANCE WITH

REFERENCE (B) AS AUTHORIZED BY REFERENCE (C). IT IS GRANTED FOR THE SHIPMENT OF EXPLOSIVES AND AMMUNITION ON BEHALF OF THE DEPARTMENT OF DEFENSE (DOD). IT IS NOT APPLICABLE FOR SHIPMENT OF MATERIALS BY PRIVATE CONTRACTORS FOR NON-DOD CONTRACTS. SHOULD FINAL HAZARD CLASSIFICATION BE NEEDED FOR THIS OR ANY OTHER ITEMS, CONSULT THE REQUIREMENTS OF REFERENCE (B).
SUBJ: INTERIM HAZARD CLASSIFICATION FOR MJU-32/B AND MJU-38/B DECOY FLARES

4. THIS CLASSIFICATION DOES NOT RELIEVE THE SHIPPER FROM COMPLYING WITH ALL THE OTHER HAZARDOUS MATERIAL REQUIREMENTS OF 49 CFR. THIS INCLUDES, BUT IS NOT LIMITED TO, THE PACKAGING, ELECTROMAGNETIC RADIATION, AND ELECTROSTATIC REQUIREMENTS OF REFERENCES (D) AND (E). FOR INFORMATION REGARDING THESE ISSUES, PLEASE CONTACT THE FOLLOWING PERSONS:

PACKAGING: MR. ROBERT DRESS (CODE 715)

NAVAL PHST CENTER, NAVAL SURFACE WARFARE CENTER

INDIAN HEAD DIVISION DETACHMENT EARLE

DSN 449-2821 OR COMMERCIAL (732) 866-2821

HAZARDS OF ELECTROMAGNETIC RADIATION TO ORDNANCE (HERO) :

MR. CHARLES DENHAM (N723)

NAVAL ORDNANCE SAFETY AND SECURITY ACTIVITY

DSN 354-6050 OR COMMERCIAL (301) 744-6050

ELECTROSTATIC DISCHARGE (ESD) :

MR. JOSEPH DULCEY (CODE 6210E)

NAVAL SURFACE WARFARE CENTER

INDIAN HEAD DIVISION

DSN 354-4172 OR COMMERCIAL (301) 744-4172

5. FOR FURTHER INFORMATION OR ASSISTANCE REGARDING HAZARD CLASSIFICATION, PLEASE CONTACT MRS. KATHERINE HESLOP (N735)

ON DSN 354-6068, COMMERCIAL (301) 744-6068, OR EMAIL:

KATHY.HESLOP@NAVY.MIL.

THOMAS A. HEITZMANN

BY DIRECTION

COPY TO:

DDESB - KT

LIST OF LA01 AND LA02 LOTS AFFECTED

LA01 MJU-32/B DECOY FLARE LA02 MJU-38/B DECOY FLARES

ATV97M001-001	ATV98B002-009
ATV97M001-002	ATV98H001-001
ATV98A001-003	ATV98H002-001
ATV98A001-004	ATV98H002-002
ATV98B001-005	ATV98J002-003
ATV98B001-006	ATV98J002-004
ATV98C001-005	ATV98J002-005
ATV98C002-001	ATV98J002-006
ATV98C002-002	ATV98J002-007
ATV98C002-003	ATV98J002-008
ATV98C002-004	ATV98J002-101
ATV98C002-005	ATV98L002-006
ATV98D002-006	ATV99B002-009
ATV98D002-007	ATV99B002-010
ATV98D002-008	ATV99C002-011
ATV98E002-009	ATV99C002-012
ATV98E002-010	ATV99C002-013
ATV98E002-011	ATVOOC007-001
ATV98F002-003	ATVOOF008-002
ATV98F002-011	KCGOLB001-001

Appendix A Section 3
AMMUNITION INFORMATION NOTICES

NAVSEA TW024-AA-ORD-01
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CPMAL021R

ATV98F002-012	KCGOLC001-001
ATV98F002-013	KCG01C001-002
ATV98F002-014	KCGOLC001-003
ATV98F003-001	KCG01C001-004
ATV98F003-002	KCG01C001-005
ATV98F003-003	KCGOLD001-005
ATV98FOO3-013	KCGOLD001-006
ATV98G001-006	KCG03G002-002
ATV98G003-004	KCG03M003-002
ATV98J002-008	KCG04A003-003
ATV99D004-001	KCG04A003-004
ATV99G005-001	KCG04B003-005
ATV99H006-001	KCG04C003-006
ATV99J006-002	KCG04C004-001
ATV00C007-001	KCG04E004-002
ATV00C007-002	
ATV00E008-001	
ATV00F008-002	
ATV00J008-003	
ATV00L008-004	
ATV00M008-005	
KCG01C001-003	
ENCLOSURE (1)"	
END OF QUOTE.	

AMMO INFO NOTICE 066-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 066-04. GRENADE, /HAND, INCENDIARY, TH3, AN-M14 (1330-G900)

THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.

INFORMATION CONTAINED HEREIN WILL BE PASSED TO ALL UNITS USING THE AN-M14, TH3, INCENDIARY GRENADE (G900).

IT IS IMPERATIVE THAT ALL PERSONNEL BE AWARE THAT THERE IS A POTENTIAL FOR THE INCENDIARY AN-M14 GRENADE TO DETONATE UPON FUNCTIONING IF FROZEN. TEST RESULTS SHOW GRENADES THAT WERE STORED BELOW FREEZING TEMPERATURES CAN EXPLODE OR IGNITE VIOLENTLY WHEN FUNCTIONED, THROWING PARTICLES UP TO 25 TO 30 FEET. WHEN BURNING, THE GRENADE CAN REACH TEMPERATURES OF 4,000 DEGREES FAHRENHEIT. THEREFORE, PARTICLES THROWN BY THIS GRENADE CAN CAUSE SEVERE BURNS TO THE USER.

WHEN FUNCTIONING THE GRENADE, THE USER SHOULD KEEP IN MIND THE DELAY TIME FOR THIS GRENADE IS TYPICALLY BETWEEN 0.7 TO 2.0 SECONDS. THE USER SHOULD EITHER REMOTELY INITIATE THE GRENADE WITH A LANYARD OR THROW THE GRENADE, ALLOWING THE USER TO BE AT A SAFE DISTANCE OF MORE THAN 30 FEET WHEN THE GRENADE FUNCTIONS.

ADDITIONALLY, THE ORIGINAL DESIGN SPECIFICATION OF THE AN-M14 INCENDIARY GRENADE REQUIRED THAT IT BURN THROUGH A 1/8 INCH HOMOGENEOUS STEEL PLATE. ALL PERSONNEL MUST BE AWARE THAT THE AN-M14 INCENDIARY GRENADE CANNOT BURN THROUGH A 1/2 INCH STEEL PLATE AS STATED IN FIELD MANUAL NO. 3-23.30.

AMMO INFO NOTICE 067-2004:

SUBJ: NAVY AND MARIANE CORPS AMMO INFO NOTICE 067-04. AMMUNITION

DATA CARDS FOR NEW PRODUCTION AND RENOVATED CLASS V MATERIEL THIS AIN SUPERSEDES NALC AIN 035-03 (051935Z JUN 03).

SUBMISSION OF CORRECT AND COMPLETE ADC'S IS CRITICAL FOR PROPER MANAGEMENT OF THE CLASS V STOCKPILE.

- A. ORGANIZATIONS PRODUCING OR PERFORMING RENOVATION ON CLASS V MATERIEL MUST ACCURATELY COMPLETE AND SUBMIT THE ASSOCIATED AMMUNITION DATA CARD (ADC)

PROMPTLY UPON COMPLETION OF PRODUCTION OR MAINTENANCE. NUMEROUS INCIDENTS OF INCORRECTLY COMPLETED ADC'S AND ADC'S NOT BEING SUBMITTED AS REQUIRED CONTINUE TO OCCUR.

- B. WHEN COMPLETING ADC'S FOR SUFFIXED LOTS, DO NOT OVERWRITE REMARKS THAT APPLY TO THE BASIC AMMUNITION LOT BEING SUFFIXED. WHEN ANNOTATING THE AUTHORIZATION FOR USE OF A SUFFIX, PLEASE IDENTIFY THE SPECIFIC CASE NUMBER ASSIGNED BY JMC, ROCK ISLAND.

SUBMISSION OPTIONS: AUTOMATED DATA CARD SYSTEM (ALRAM) IS A METHOD FOR SUBMITTING ADC'S. WORLDWIDE AMMUNITION-DATA REPOSITORY PROGRAM (WARP) IS THE PREFERRED METHOD. WARP IS LOCATED WITHIN THE ARMY ELECTRONIC PRODUCT SUPPORT (AEPS). YOU MUST REQUEST A PASSWORD FOR AEPS, THEN REQUEST PERMISSIONS NECESSARY TO COMPLETE YOUR REQUIREMENTS WITH WARP. USE [HTTP://AEPS.RIA.ARMY.MIL/AEPSPUBLIC.CFM](http://AEPS.RIA.ARMY.MIL/AEPSPUBLIC.CFM) TO REQUEST PASSWORDS. IF YOU ALREADY HAVE AN AEPS PASSWORD, THEN YOU MUST ONLY REQUEST WARP PERMISSIONS. DO NOT REQUEST A SECOND AEPS PASSWORD. FOR FURTHER ASSISTANCE CONTACT MARCIA GARRISON, SFSJM-QAP, AT DSN 793-6448 OR EMAIL GARRISONM@OSC.ARMY.MIL

ALRAM AND WARP CONTAIN THE PERTINENT DATA TO CORRECTLY INITIATE, COMPLETE AND SUBMIT ADC'S FOR CLASS V MATERIEL. WHERE ALRAM IS CONTAINED ON A DISKETTE, IT IS NO LONGER AVAILABLE FOR DATA RESEARCH. WARP IS INTERNET ACCESSIBLE FOR INPUT AND DATA RESEARCH.

SB 742-1, AMMUNITION SURVEILLANCE PROCEDURES, JUN 98. W/ CHG 3, FEB 2001; MIL STD 1168B, AMMUNITION LOT NUMBERING AND AMMUNITION DATA CARDS, 10 JUN 98; AND DI-MIS-80043A, DATA ITEM DESCRIPTION FOR AMMUNITION DATA CARD, 22 MAY 98 ARE AVAILABLE THROUGH NORMAL PUBLICATION CHANNELS AND ON THE WORLD WIDE WEB AT:

WWW.OSC.ARMY.MIL/IB/IBQ/SURV/GEN/SURV2.HTM.

AMMO INFO NOTICE 068-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 068-04. PROPER /HANDLING-LOADING PROCEDURES FOR 2.75-INCH ROCKETS WITH / MK 66 MOD 4 ROCKET MOTORS

REQUEST THIS INFO BE PASSED TO ALL PERSONNEL HANDLING/LOADING/DOWNLOADING 2.75-INCH ROCKETS/ROCKET MOTORS

DURING A RECENT FARP TRAINING EXERCISE INVOLVING 2.75-INCH ROCKETS WITH MK 66 MOD 4 ROCKET MOTORS, TWO INCORRECT PROCEDURES WERE BEING EMPLOYED.

- A. TWO WAY RADIOS AND/OR CELL PHONES WERE BEING USED IN VERY CLOSE VICINITY TO LOADED LAUNCHERS BEING TRANSPORTED ON A TRAILER AND ALSO IN VERY CLOSE VICINITY TO THE COLD TUBE LOADING OPERATION.

- B. CREW CHIEF WAS INSTRUCTING LAUNCHER LOADING PERSONNEL THAT A ROCKET CONTAINING A MK 66 MOD 4 ROCKET MOTOR COULD BE LOADED WITHOUT ANY REGARD TO THE ALIGNMENT OF THE ROCKET MOTOR NOZZLE FIN PIN/END SHIELD HOLE AND THE LAUNCHER DETENT RETAINER/BLAST PADDLE.

ALTHOUGH THE MK 66 MOD 4 ROCKET MOTOR HAS BEEN CERTIFIED AS HERO SAFE ORDNANCE, THERE IS STILL THE SAFETY WARNING IN PARA 5-3 1.16 OF NAVSEA OP 3565/NAVAIR 16-1-529 VOLUME 2 TWELFTH REVISION, ELECTROMAGNETIC RADIATION HAZARDS TECHNICAL MANUAL

THAT SAYS TO MAINTAIN A MINIMUM SAFE SEPARATION DISTANCE (MSSD) OF 3 METERS (10 FEET) BETWEEN TRANSMITTING ANTENNAS AND ALL ORDNANCE ITEMS REGARDLESS OF THEIR HERO CLASSIFICATION. THIS MSSD APPLIES TO THE ORDNANCE ITEM ITSELF OR TO ANY METAL STRUCTURE OR OBJECT ATTACHED TO THE ORDNANCE ITEM, SUCH AS THE AIRCRAFT OR LAUNCHER OR TRANSPORTATION TRAILER.

TABLE 5-1 OF NAVSEA OP 3565/NAVAIR 16-1-529 VOLUME 2 TWELFTH REVISION, ELECTROMAGNETIC RADIATION HAZARDS TECHNICAL MANUAL LISTS SOME EXCEPTIONS TO THE MSSD REQUIREMENT OF 3 METERS (10 FEET) WHEN HANDLING/TRANSPORTING/LOADING HERO SAFE ORDNANCE, DEPENDING ON THE POWER OUTPUT OF THE TRANSMITTING ANTENNA. IN SOME CASES OF LOW POWER OUTPUT, NO MSSD IS REQUIRED. QUESTIONS CONCERNING WHETHER A SPECIFIC TYPE OF EMITTER CAN BE USED CLOSER THAN THE MSSD OF 3 METERS (10 FEET) SHOULD BE ADDRESSED TO CHUCK WAKEFIELD, CODE N72, NOSA, PHONE NUMBER 301-744-6082, E-MAIL ADDRESS CHARLES.WAKEFIELD@NAVY.MIL.

THE MK 66 MOD 4 ROCKET MOTOR IS EXTERNALLY THE SAME AS THE MK 66 MOD 2 ROCKET MOTOR; THEREFORE THE LAUNCHER LOADING PROCEDURE FOR ROCKETS WITH EITHER ROCKET MOTOR IS THE SAME: THE LAUNCHER BLAST PADDLE MUST NOT BE ALIGNED WITH ONE OF THE THREE HOLES IN THE NOZZLE END SHIELD. THIS ASSURES THE LAUNCHER DETENT RETAINER IS NOT SEATED DIRECTLY ON TOP OF A NOZZLE FIN PIN; OTHERWISE THE ROCKET MIGHT MOVE FORWARD IN THE LAUNCHER EITHER DURING THE LOADING OPERATION OR DURING CAPTIVE FLIGHT, LEADING TO POSSIBLE NO-FIRES OR ROCKETS FALLING OUT OF THE LAUNCHER DURING FLIGHT/LANDING.

THE NOTE IN NAVAIR 01-HLAAC-75-39 AH/UH-1 FARP CHECKLIST DEALING WITH THIS SPECIFIC LAUNCHER LOADING PROCEDURE, IS INCORRECT AND WILL BE CORRECTED IN THE NEXT REVISION./ REQUEST THIS INFO BE PASSED TO ALL PERSONNEL HANDLING/LOADING/DOWNLOADING 2.75-INCH ROCKETS/ROCKET MOTORS.

AMMO INFO NOTICE 070-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 070-04. DEFECT /CRITERIA RELEASE-SHIPPING INSTRUCTIONS FOR OUTGASSING /SIMULATORS (1370-L367,L594,L601)

THIS AIN APPLIES TO U.S. MARINE CORPS STOCK ONLY.

THIS AIN INCORPORATES ALL PREVIOUS AINS, SAME SUBJECT, AND, USED DEPARTMENT OF TRANSPORTATION EXEMPTION 11629 (DOT-E 11629), AS THE SOLE SOURCE OF GUIDANCE FOR TRANSPORTING OUTGASSING SIMULATORS. IN ADDITION THIS AIN CONTAINS CONDITION CODING CRITERIA, AND APPROPRIATE DEFECT CODE.

REQUEST PASS THIS INFO TO ALL ORGANIZATIONS USING, STORING, INSPECTING OR SHIPPING SUBJECT OUTGASSING ITEMS.

TEST RESULTS CONFIRM BULGING IS CAUSED BY BUILD-UP OF HYDROGEN GAS AND AIR, INDUCED BY TEMPERATURE VARIATION IN STORAGE. GAS IN BARRIER BAGS IS PRODUCED BY A REACTION BETWEEN THE MAGNESIUM BASED PYRO COMPOUNDS AND INTERNAL MOISTURE TRAPPED AT TIME OF MANUFACTURE. FOR MOISTURE CONTAMINATED SIMULATORS, THE OUTGASSING TAKES 2 TO 4 YEARS TO OCCUR AND WILL CONTINUE UNTIL

ALL MOISTURE IS CONSUMED.

FOLLOWING DEFECT CLASSIFICATION GUIDANCE APPLIES:

- (A) IF BARRIER BAG SHOWS SIGNS OF EXPANSION, IT IS CLASSIFIED AS A MINOR DEFECT.
- (B) IF BARRIER BAG HAS EXPANDED TO A DEGREE THAT THE WOODEN BOX IS DEFORMED, IT IS CLASSIFIED AS A MAJOR DEFECT.
- (C) LOTS STORED AT THE WHOLESALE LEVEL WHICH ARE REJECTED FOR OUTGASSING WILL BE CONDITION CODED "ECHO" AND WILL NOT BE SHIPPED FROM WHOLESALE LEVEL UNTIL DEGASSED. AFTER LOT QUANTITIES REQUIRED FOR SHIPMENT HAVE BEEN DEGASSED, ASSETS FROM THOSE LOTS REMAINING ON HAND WILL BE RETAINED IN COND CODE "ECHO". THIS WILL PROVIDE VISIBILITY OF ASSETS WITH A PREVIOUS HISTORY OF OUTGASSING TO THE INVENTORY MANAGER SO THAT THEY WILL NOT BE SELECTED FOR SHIPMENT TO LOCATIONS WHERE IT WOULD BE IMPOSSIBLE TO SATISFY THE SHIPPING REQUIREMENTS OF DOT-E 11629.
- (D) THE DEFECT CODE OF JBBZ2X WILL BE USED TO DESCRIBE OUTGASSING INCIDENTS.
- (E) OUTGASSING DOES NOT AFFECT FUNCTIONING. AMMUNITION SUPPLY POINT (ASP)-STORED ASSETS MAY BE ISSUED FOR TRAINING IF SAFETY OF PERSONNEL IS NOT COMPROMISED BY THE OUTGASSING CONDITION.

FOLLOWING DEGASSING PROCEDURES APPLY:

- (A) GAS RELEASE SHOULD BE CONDUCTED IN A WELL-VENTILATED AREA, FREE OF FLAMMABLES, EXPLOSIVES, FIRE, OPEN FLAME AND CONTAMINANTS. PERSON(S) OPENING CONTAINERS MUST WEAR FACE SHIELD, FLAME-RETARDANT CLOTHING, CONDUCTIVE SOLE SAFETY SHOES OR EQUIVALENT.
- (B) DUE TO POSSIBLE VIOLENT EXPANSION OF WOODEN BOXES, WHEN BANDING IS CUT, BOXES MUST BE CONFINED PRIOR TO CUTTING BANDS.
- (C) HOLDING FIXTURE TO CONFINED BOXES MUST BE LOCALLY DESIGNED AND FABRICATED TO MEET NEEDS OF THE OPERATION.
- (D) REMOVE BARRIER BAGS FROM BOXES AND USE NON-SPARKING PICK TO PUNCTURE BAG, RELEASING GAS. HEAT SEAL OR REPLACE BARRIER BAG.
- (E) REPAIR OR REPLACE WOODEN SHIPPING CONTAINERS AND REPACK ITEMS.

FOLLOWING SHIPPING GUIDANCE APPLIES, DOT-E 11629 COVERS TRANSPORTATION VIA COMMERCIAL VEHICLE OF OUTGASSED SIMULATORS,
BRIEFLY IT STATES:

- (A) PACKAGE IS IAW 49 CFR 173.62
- (B) TRANSPORTATION WILL BE MADE IN TEMP-CONTROLLED

VEHICLES,

THEN MAINTAIN THE TEMPERATURE NO HIGHER THAN 50 DEGREES FAHRENHEIT.

(C) PACKAGES DEGASSED WITHIN 12 HRS OF LOADING;

(D) MAXIMUM OF SEVEN PALLETS SHIPPED PER VEHICLE;

(E) SHIPMENT TRANSIT TIME CANNOT EXCEED 8 DAYS;

SPECIAL PROVISIONS:

(A) CONSIGNEES MAY RE-OFFER THE ITEMS FOR SHIPMENT IF NO MODIFICATIONS/CHANGES ARE MADE TO PACKAGES, ALL TERMS OF DOT-E 11629 ARE COMPLIED WITH, CURRENT COPY OF DOT-E 11629 IS MAINTAINED AT FACILITY FROM WHICH RE-OFFERING(S) OCCURS.

(B) DRIVERS INFORMED OF POSSIBLE FORMATION OF FLAMMABLE HYDROGEN-AIR MIXTURE IN THE SHIPMENT

(C) OUTSIDE OF EACH PACKAGE WILL BE MARKED "DOT-E 11629" AT LEAST ONE-HALF INCH HIGH

(D) A COPY OF THE DOT-E 11629 WILL BE CARRIED ABOARD EACH COMMERCIAL MOTOR VEHICLE TRANSPORTING OUTGASSING SIMULATORS

(E) WHEN OUTGASSING SIMULATORS ARE TRANSPORTED BY MILITARY VEHICLES OVER THE PUBLIC HIGHWAYS, THE VEHICLES WILL BE WELL-VENTILATED AND BE EQUIPPED WITH A TARP

THIS AIN GUIDANCE DOES NOT APPLY IF THE SPECIFIC SIMULATOR LOT IS NOT SHOWING SIGNS OF OUTGASSING AND HAS NO PAST HISTORY OF OUTGASSING. LOTS THAT HAVE NO PREVIOUS OR PRESENT EVIDENCE OF OUTGASSING MAY BE HANDLED/SHIPPED IN THE NORMAL MANNER.

TO OBTAIN A COPY OF THE CURRENT, VALID DOT-E 11629, CALL THE MILITARY TRAFFIC MANAGEMENT COMMAND (MTMC) IN ALEXANDRIA, VA (WHICH ENCOMPASSES ALL THE SERVICES) AT DSN 328-2284.

AMMO INFO NOTICE 071-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 071-04. GUIDANCE /FOR F/A-18 FIRE EXTINGUISHER SYSTEM USE(1377-MF73,MF74,MF75, /JL42,JL43,JL44)

THE PURPOSE OF THIS AIN IS TO ADVISE ORDNANCE SUPPLY ACTIVITIES ON THE PROPER CAD FOR THE F/A-18 FIRE EXTINGUISHER SYSTEM. AIRCRAFT PRODUCED THROUGH 2003 EMPLOYED

A 5.0-AMP ALL-FIRE CAD. NEW CADS ARE AVAILABLE THAT FIRE AT 3.1 AMPS. THE NEW CARTRIDGES ARE BEING INSTALLED IN PRODUCTION F/A-18E AND F/A-18F AIRCRAFT. PMA-265 IS WORKING ON AN ECP TO REFIT IN-SERVICE AIRCRAFT. UNTIL THE ECP IS APPROVED, OLDER AIRCRAFT WILL CONTINUE TO USE THE 5.0-AMP CADS.

DODIC NSN

MF73 1377-01-116-7687

REMARK: FOR USE IN NF/A-18A, F/A-18A, FA-18B, NF/A-18C, F/A-18C, NF/A-18D, AND FA-18D ALL BUREAU NUMBERS; F/A-18E BUREAU NUMBER 166437 AND PRIOR, AND F/A-18F BUREAU NUMBER 166459 AND PRIOR.

DODIC NSN

MF74 1377-01-116-7688

REMARK: FOR USE IN NF/A-18A, F/A-18A, FA-18B, NF/A-18C, F/A-18C, NF/A-18D, AND FA-18D ALL BUREAU NUMBERS; F/A-18E BUREAU NUMBER 166437 AND PRIOR, AND F/A-18F BUREAU NUMBER 166459 AND PRIOR.

DODIC NSN

MF75 1377-01-116-7689

REMARK: FOR USE IN NF/A-18A, F/A-18A, FA-18B, NF/A-18C, F/A-18C, NF/A-18D, AND FA-18D ALL BUREAU NUMBERS; F/A-18E BUREAU NUMBER 166437 AND PRIOR, AND F/A-18F BUREAU NUMBER 166459 AND PRIOR.

DODIC NSN

JL42 1377-01-502-2107

REMARK: FOR USE IN F/A-18E BUREAU NUMBER 166438 AND UP, AND F/A-18F BUREAU NUMBER 166460 AND UP.

DODIC NSN

JL43 1377-01-502-2119

REMARK: FOR USE IN F/A-18E BUREAU NUMBER 166438 AND UP, AND F/A-18F BUREAU NUMBER 166460 AND UP.

DODIC NSN

JL44 1377-01-502-2129

REMARK: FOR USE IN F/A-18E BUREAU NUMBER 166438 AND UP, AND F/A-18F BUREAU NUMBER 166460 AND UP.

AMMO INFO NOTICE 072-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 072-04. DEFECT /CRITERIA RELEASE-SHIPING INSTRUCTIONS FOR OUTGASSING /SIMULATORS (1370-L367,L594,L601)

THIS AIN SUPERSEDES NALC AIN 069-04 (DTG 041935Z AUG 04).

THIS AIN APPLIES TO U.S. NAVY STOCKS ONLY.

THIS AIN REPLACES AINS 045-03 AND 069-04, AND INCORPORATES ALL PREVIOUS AINS, SAME SUBJECT, AND, USED WITH DOT-E 11629 (LATEST REVISION), IS THE SOLE SOURCE OF GUIDANCE FOR OUTGASSING SIMULATORS. IT INCORPORATES PREVIOUSLY PUBLISHED CONDITION CODE CRITERIA AND SPECIFIC GUIDANCE TO NAVY END-USERS.

REQUEST PASS THIS INFO TO ALL ORGANIZATIONS USING, STORING, INSPECTING OR SHIPPING SUBJECT OUTGASSING ITEMS. CONTINUE TO APPLY CRITERIA PROVIDED IN NAVSUP PUBS P-805 AND P-807.

TEST RESULTS CONFIRM BULGING, WHEN IT OCCURS, IS CAUSED BY BUILD-UP OF HYDROGEN GAS AND AIR, INDUCED BY TEMPERATURE VARIATION IN STORAGE. GAS IN BARRIER BAGS IS PRODUCED BY A REACTION BETWEEN THE MAGNESIUM AND MOISTURE TRAPPED IN THE MAGNESIUM COMPOSITION AT TIME OF MANUFACTURE AND OCCURS IF RELATIVE HUMIDITY NOT CONTROLLED DURING MANUFACTURING PROCESS. THE CONDITION TAKES 2 TO 4 YEARS TO OCCUR AND WILL CONTINUE UNTIL ALL MOISTURE IS CONSUMED.

FOLLOWING CRITERIA IS RECOMMENDED FOR END-USER ACTIVITIES:

(A) IF THE BARRIER BAG SHOWS NO SIGN OF BULGING AND ANTICIPATED EXPENDITURE OF ITEM IS WITHIN ONE CALENDAR YEAR, LEAVE IN CONDITION CODE ALPHA;

(B) IF THE BARRIER BAG SHOWS NO SIGN OF BULGING AND IS NOT ANTICIPATED TO BE

EXPENDED WITHIN A CALENDAR YEAR, LEAVE IN
CONDITION CODE ALPHA AND REQUEST DISPOSITION
FROM NALC.

- (C) IF THE BARRIER BAG SHOWS SIGNS OF EXPANSION
OR EXPANDED TO A DEGREE THAT THE WOODEN BOX
IS DEFORMED, LOCALLY DOWNGRADE ASSET TO
CONDITION CODE ECHO AND REQUEST DISPOSITION
FROM NALC.

OUTGASSING DOES NOT DOES NOT AFFECT THE
FUNCTIONING OF THE ASSET. IF SIMULATOR IS
TO BE UTILIZED AND UNSURE IF OUTGASSING HAS
OCCURRED, ADHERE TO THE FOLLOWING STEPS TO
DE-GAS BEFORE USE:

- (A) GAS RELEASE SHOULD BE CONDUCTED IN A
WELL-VENTILATED AREA, FREE OF FLAMMABLES,
EXPLOSIVES, FIRE, OPEN FLAME AND CONTAMINANTS.
PERSON(S) OPENING CONTAINERS MUST WEAR FACE
SHIELD, FLAME-RETARDANT CLOTHING, CONDUCTIVE
SOLE SAFETY SHOES OR EQUIVALENT.
- (B) DUE TO POSSIBLE VIOLENT EXPANSION OF
WOODEN BOXES, WHEN BANDING IS CUT, BOXES MUST
BE CONFINED PRIOR TO CUTTING BANDS.
- (C) HOLDING FIXTURE TO CONFINED BOXES MUST BE
LOCALLY DESIGNED AND FABRICATED TO MEET NEEDS
OF THE OPERATION.
- (D) REMOVE BARRIER BAGS FROM BOXES AND USE
NON-SPARKING PICK TO PUNCTURE BAG, RELEASING
GAS. HEAT SEAL OR REPLACE BARRIER BAG.
- (E) REPAIR OR REPLACE WOODEN SHIPPING CONTAINERS
AND REPACK ITEMS IF REQUIRED.

FOLLOWING GUIDANCE FOR TRANSPORTING SIMULATORS:

- (A) DEPARTMENT OF TRANSPORTATION EXEMPTION
11629 (DOT-E 11629) (LATEST REVISION), COVERS
TRANSPORTATION VIA COMMERCIAL VEHICLE OF
THOSE SPECIFIC SIMULATOR LOTS HAVING A HISTORY
OF OUTGASSING. MEMORANDUM, USADACS, SIOAC-DET,
14 MAR 96, SUBJECT: TRUCK SHIPMENT OF DOT-E
11629 ITEMS, STATES SIMULATORS MAY BE SHIPPED
IN REFRIGERATED VAN TRAILERS USING PROCEDURES
FROM PAGES 32-33, DRAWING 19-48-4117. ONE TO
SEVEN PALLETS MAY BE SHIPPED IN THIS MANNER.
FOR AN EVEN NUMBER OF PALLET UNITS, ELIMINATE
THE SPACER ASSEMBLIES. TO SHIP A SINGLE PALLET
UNIT, OR WHEN TRAILER IS EQUIPPED WITH A SQUARE
FRONT END OR AN INSTALLED BULKHEAD, THE FORWARD
BLOCKING ASSEMBLY SHOULD BE ELIMINATED. REFER
TO SPECIAL NOTES 3 AND 4 FOR ANTI-SWAY BRACES.
ANTI-SWAY BRACE "A" MAY BE USED IN PLACE OF
ANTI-SWAY BRACE "B" IF THE LATERAL VOID BETWEEN
PALLETS PERMITS.
- (B) WHEN OUTGASSED SIMULATORS ARE TRANSPORTED
BY MILITARY VEHICLES OVER THE PUBLIC HIGHWAYS,
THE VEHICLES SHOULD BE WELL-VENTILATED AND
EQUIPPED WITH A TARP.
- (C) THIS GUIDANCE DOES NOT APPLY IF THE SPECIFIC
SIMULATOR LOT IS NOT SHOWING SIGNS OF OUTGASSING
AND HAS NO PAST HISTORY OF OUTGASSING. LOTS
THAT HAVE NO PREVIOUS OR PRESENT EVIDENCE OF
OUTGASSING MAY BE HANDLED/SHIPPED IN THE

NORMAL MANNER.

FOR ALL EXPLOSIVE OPERATIONS, THE ACTIVITY COMMANDING OFFICER IS TO ENSURE THAT STANDARD OPERATING PROCEDURES, A QUALIFICATION AND CERTIFICATION PROGRAM AND APPROVED FACILITIES ARE IN PLACE IAW OPNAVINST 8020.14/MCO P8020.11, NAVSEAINST 8023.11, NAVSEA OP4 AND NAVSEA OP5.

TO OBTAIN A COPY OF THE CURRENT, VALID DOT-E 11629, CALL THE MILITARY TRAFFIC MANAGEMENT COMMAND (MTMC) IN ALEXANDRIA, VA (WHICH ENCOMPASSES ALL THE SERVICES) AT DSN 328-2284 OR DOWNLOAD DIRECTLY FROM THE WEB AT [HTTP://HAZMAT.DOT.GOV/EXEMPTIONS_INDEX.HTM](http://HAZMAT.DOT.GOV/EXEMPTIONS_INDEX.HTM).

AMMO INFO NOTICE 073-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 073-04.
DISPOSITION

/PROCEDURES FOR NAVY 3 INCH-50 AND 40MM BOFORS PROPELLANTS /AND CARTRIDGES

THIS AIN APPLIES TO NAVY STOCK ONLY.

THIS AIN TARGETS NAVY ACTIVITIES THAT MAY BE STORING 3 INCH/50 AND/OR 40MM BOFORS PROPELLANTS AND/OR CARTRIDGES. AN EXHAUSTIVE SEARCH HAS BEEN CONDUCTED TO DETERMINE IF ANY 3 INCH/50 OR 40MM BOFORS PROPELLANTS AND/OR CARTRIDGES REMAIN IN NAVY INVENTORY. 3 INCH/50 AND 40MM BOFORS CARTRIDGES HAVE BEEN OBSOLETE FOR AT LEAST 15 YEARS; MANY OF THE CONFIGURATIONS HAVE BEEN CONDEMNED. WITH FEW EXCEPTIONS, THERE IS NO REQUIREMENT OR NEED FOR 3 INCH/50 OR 40MM BOFORS CARTRIDGES TO REMAIN IN NAVY INVENTORY. NAVY INVENTORY SYSTEMS SEARCHED WERE THE US NAVY'S CAIMS-ROLMS AND ADIMS SYSTEMS.

SMALL QUANTITIES OF 3 INCH/50 DODICS C164, C183, C299, C305 AND C347 WERE FOUND REMAINING IN NAVY INVENTORY. SMALL QUANTITIES OF 3 INCH/50 PROPELLANT NSN 1376-01-120-0956 WERE FOUND REMAINING IN NAVY INVENTORY.

NO QUANTITIES OF 40MM BOFORS CARTRIDGES WERE FOUND TO REMAIN IN NAVY INVENTORY. ONLY SMALL QUANTITIES OF BULK PROPELLANT ASSOCIATED WITH 40MM BOFORS CARTRIDGES, NSN 1376-01-129-4683 WERE FOUND TO REMAIN IN NAVY INVENTORY.

AS A RESULT OF THE INVENTORY SEARCH THAT CONFIRMS DEPLETION OF NAVY INVENTORY, PROPELLANT SAFETY AND STABILITY MONITORING FOR THE FOLLOWING CARTRIDGE DODICS AND BULK PROPELLANT NSNS WILL NO LONGER BE CONDUCTED AS PART OF THE NAVSEA QUALITY EVALUATION PROPELLANT SAFETY SURVEILLANCE PROGRAM FOR NAVAL GUN AMMUNITION. STABILITY TESTING RESPONSIBILITY, FOR THE ITEMS BELOW, HAS BEEN TRANSFERRED TO THE US ARMY WHERE APPLICABLE. THESE ACTIONS ARE IN ACCORDANCE WITH THE POLICY AND PROCEDURES DETAILED IN DOD 5160.65-M, SINGLE MANAGER FOR CONVENTIONAL AMMUNITION (IMPLEMENTING JOINT CONVENTIONAL AMMUNITION POLICIES AND PROCEDURES) AND NAVSEA SW020-AE-SAF-010, TECHNICAL MANUAL FOR THE SAFETY SURVEILLANCE OF NAVY GUN PROPELLANT (POLICY AND PROCEDURES).

(A) DODICS, B552, B556, B557, B558, B559,

Appendix A Section 3
AMMUNITION INFORMATION NOTICES

NAVSEA TW024-AA-ORD-01

12-OCT-04 08:27:32

CPMAL021R

B560, B561, B562, B563, C136, C137, C138,
C139, C140, C141, C142, C143, C144, C145,
C146, C147, C148, C149, C150, C151, C152, C153,
C154, C155, C161, C162, C163, C166, C167, C168,
C169, C170, C171, C172, C173, C174, C175, C176,
C177, C178, C179, C180, C181, C184, C185, C200,
C201, C205, C207, C208, C212, C215, C218, C219,
C237, C238, C296, C297, C300, C302, C306, C307,
C318, C320, C321, C322, C338, C341, C342, C343,
C348, C349, C350, C353, C355, C356, C359, C366,
C368, C373, C375, X038, X039, X040, X041, X042,
X043, X044, X048, X051 AND X052

(B) NSN 1376-01-132-1711

(C) NSN 1376-01-120-4679

(D) NSN 1376-01-126-5051

(E) NSN 1376-01-127-5190

IF ANY OF THE ITEMS LISTED IN PARAGRAPH 6 ARE
FOUND IN NAVY INVENTORY IMMEDIATELY CONTACT THE
FOLLOWING WITH QUANTITIES AND LOCATION FOR
DISPOSITION INSTRUCTIONS.

PROGRAM MANAGER: JOHN YARBOR, NAVSURFWARCENDIV CRANE
IN, CODE PM416, DSN 482-5884 OR COMMERCIAL 812-854-5884.

EMAIL: JOHN.YARBOR@NAVY.MIL

DDA: WANDA ROMERO, NOLSC MECHANICSBURG PA, CODE 92WR,
DSN 430-3798 OR COMMERCIAL 717-605-3798.

EMAIL: ROMEROWJ@NALC.NAVY.MIL

IM: TOM OLSON, NOLSC MECHANICSBURG PA, CODE 4312E,
DSN 430-3424 OR COMMERCIAL 717-605-3424.

EMAIL: OLSONTE@NALC.NAVY.MIL

AMMO INFO NOTICE 074-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 074-04.
CARTRIDGE,

/ 20MM, LINKED, DS, MK 149, MODS 1 AND 2 (1305-A675,A676,A692)

THIS AIN SUPERSEDES NALC AIN 029-04 (DTG 171935ZDEC03).

THIS AIN APPLIES TO US NAVY STOCKS ONLY.

US COAST GUARD IS NOT COVERED BY THE NAVAL RADIOACTIVE
MATERIALS PERMIT NO. 13-00164-L1NP. UNDER NO CIRCUMSTANCES
ARE US COAST GUARD UNITS TO BE ISSUED 20MM DU ASSETS,
DODICS A675 AND A676.

DU CARTRIDGES (A675/A676) ARE NOT TO BE SUBSTITUTED
FOR, OR CONSIDERED SUITABLE SUBSTITUTES FOR, A692
(CARTRIDGE, 20MM, LINKED, MK149 MOD 4, TUNGSTEN)
CARTRIDGE FOR US NAVY UNITS WITHOUT SPECIFIC
AUTHORIZATION FROM THE NOLSC INVENTORY MANAGER.

THE FOLLOWING GUIDELINES FOR USAGE IS PROVIDED
IN ORDER TO RE-STATE AND AMPLIFY PREVIOUSLY
PROVIDED NAVSEA GUIDANCE:

(A) DODIC A692 IS AUTHORIZED AND RECOMMENDED
FOR USE AT READINESS CONDITION 3 OR HIGHER,

(B) DODIC A692 IS AUTHORIZED FOR USE IN
PREACTION AIM CALIBRATION (PAC) FIRING ONLY
WHEN OPERATING AT READINESS CONDITION 3
OR HIGHER,

(C) DODIC A692 IS AUTHORIZED FOR USE IN
ALL TRAINING EXERCISES IN WHICH MISSILE,
TDU OR TARGET DEBRIS MAY BE HANDLED BY
PERSONNEL,

(D) DODICS A675/A676 ARE AUTHORIZED FOR
ALL OTHER PAC FIRING TESTS AND TRAINING,

(E) DODICS A675/A676 HAVE BEEN RECLASSIFIED

AMMO INFO NOTICE 075-2004:

TO CONDITION CODE C FOR PRIORITY ISSUE AND SHOULD BE UTILIZED FOR ALL EVENTS NOT MEETING GUIDELINES (A), (B) OR (C). QUESTIONS REGARDING THIS AIN SHOULD BE DIRECTED TO MR. JOHN PREBLE, NSWCD CRANE, 4022, DSN 482-4519/COMM 812-854-4519. SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 075-04. SAFETY /OF USE AND HANDLING OF 81MM IR ILLUM M816, SMK RP M819, /ILLUM M853A1, HE M889A1 CARTRIDGES ASSEMBLED /WITH M752A1 AND M299 IGNITION /CARTRIDGES AND BUILT IN FEDERAL /150 PRIMERS (1315-C484,C870,C871,C868,C869)

THIS AIN SUPERSEDES NALC AIN 057-04 (081950Z JUN 04). REQUEST THIS AIN BE PASSED TO ALL UNITS AND PERSONNEL UTILIZING AND HANDLING THE SUBJECT 81MM MORTAR CARTRIDGES.

BASED ON MANUFACTURER'S ACCEPTANCE CRITERIA, MILITARY SPECIFICATION REQUIREMENTS, AND SPECIAL INVESTIGATION TEST RESULTS, 81MM CARTRIDGES CURRENTLY IN THE MARINE CORPS STOCKPILE ASSEMBLED WITH M752A1 AND M299 IGNITION CARTRIDGES CONTAINING FEDERAL 150 PRIMERS COULD HAVE OVERLY SENSITIVE PRIMERS.

USERS HANDLING SUBJECT 81MM MORTAR CARTRIDGES ARE TO BE REMINDED TO EXERCISE CAUTION WHEN HANDLING AMMUNITION AND AVOID DROPPING THESE CARTRIDGES. EXTRA CAUTION IS ESPECIALLY IMPORTANT WHEN HANDLING THESE CARTRIDGES OVER STEEL, CONCRETE OR ANY HARD SURFACES. THE SPECIAL INVESTIGATION TEST RESULTS INDICATE THAT A CARTRIDGE DROPPED FROM 5 FEET OR MORE COULD CAUSE THE PRIMER TO FUNCTION. FUNCTIONING OF THE PRIMER/IGNITION CARTRIDGE WILL CAUSE THE PROPELLING CHARGES TO IGNITE.

AMMO INFO NOTICE 076-2004:

THIS AIN SHOULD BE FOLLOWED IN CONJUNCTION WITH THE BASIC CARE AND HANDLING PROCEDURES SPECIFIED IN SECTION 4-25 OF FM23-90/TO 11W2-5-13-21. SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 076-04. POLICY /GUIDANCE FOR MIXING LIVE AND INERT (DUMMY) AMMUNITION THIS AIN APPLIES TO U.S. NAVY STOCK ONLY.

INJURIES AND DEATHS FROM ACCIDENTAL DISCHARGE OF WEAPONS IS A SIGNIFICANT PROBLEM. MIXING LIVE AND INERT/DUMMY AMMUNITION IS AN UNACCEPTABLE PRACTICE BECAUSE IT INCREASES THE CHANCE OF A HUMAN ERROR THAT CAN PROVE FATAL.

ACTIVITIES SHALL INSURE THE FOLLOWING POLICIES ARE IMPLEMENTED INTO COURSE GUIDANCE OR STANDARD OPERATING PROCEDURES TO PREVENT THE RISK OF DEATH OR PERSONAL INJURY DURING WEAPONS TRAINING:

- (A) MIXING LIVE AND INERT/DUMMY AMMUNITION (INCLUDING THE USE OF EXPENDED CARTRIDGE CASES) FOR CREATING SIMULATED MISFIRES/MALFUNCTIONS IN WEAPONS IS NOT AUTHORIZED.
- (B) INDIVIDUALS SHALL RECEIVE TRAINING, DEMONSTRATE PROFICIENCY, AND BE QUALIFIED IN HANDLING WEAPONS MALFUNCTIONS IN NON-LETHAL ENVIRONMENTS BEFORE HANDLING WEAPONS WITH LIVE AMMUNITION.

- (C) INERT/DUMMY AMMUNITION IS NOT AUTHORIZED AT LIVE FIRING SITES WHILE CONDUCTING WEAPONS FIRING, QUALIFICATIONS SHOOTING, ETC.
- (D) ONLY INERT/DUMMY AMMUNITION IS ALLOWED IN THE CLASSROOM.
- (E) WEAPONS MAINTENANCE CHECKS REQUIRING THE USE OF INERT/DUMMY AMMUNITION SHALL NOT BE PERFORMED IN LIVE FIRE AREAS.

THE PROPER AMMUNITION, INCLUDING INERT/DUMMY, FOR ALL TYPES OF SERVICE WEAPONS IS IDENTIFIED IN NAVSUP PUBLICATION 724 REV 5, CONVENTIONAL AMMUNITION STOCKPILE MANAGEMENT, CHAPTER 5 AND SHOULD BE PART OF AN ACTIVITY'S SERVICE ALLOWANCE. ONLY INERT/DUMMY AMMUNITION IDENTIFIED IN NAVSUP PUBLICATION 724 REV 5, CHAPTER 5 IS AUTHORIZED FOR USE IN SERVICE WEAPONS.

CNET PENSACOLA FL 111849ZFEB2003 DIRECTED SERVICE ALLOWANCES BE UPDATED TO INCLUDE INERT/DUMMY AMMUNITION IAW NAVSUP PUBLICATION 724 REV 5. ACTIVITIES NOT IN COMPLIANCE WITH THIS REQUIREMENT SHOULD SUBMIT CHANGES THROUGH RESPECTIVE MAJOR CLAIMANT IAW NAVSUP PUBLICATION 724 REV 5. COMMERCIALY PURCHASED OR ASSETS IN THE SUPPLY SYSTEM NOT APPROVED FOR USE IN GOVERNMENT WEAPONS SHALL NOT BE USED (SEE CNET PENSACOLA FL 111849ZFEB2003). ACTIVITIES SHOULD REMOVE UNAUTHORIZED AMMUNITION FROM THEIR STOCK. IF REQUIREMENTS EXIST FOR INERT OR DUMMY AMMUNITION THAT IS NOT AVAILABLE FROM STOCK, SUCH AS COLORED ASSETS, SUBMIT A STATEMENT OF NEED THROUGH RESPECTIVE CHAIN OF COMMAND.

ADD THIS MESSAGE TO PASSDOWNS, REQUIRED READING BOARDS, AND BRIEF ALL HANDS ON THE DANGERS OF MIXING LIVE AND INERT/DUMMY AMMUNITION FOR THE PURPOSE OF CREATING INTENTIONAL WEAPONS MALFUNCTIONS.

AMMO INFO NOTICE 077-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 077-04. HUMIDITY /INDICATOR CARDS FOR FUZE M732A2 PROX, FUZE M762/M762A1 /ET AND FUZE M767/M767A1 ET (1390-NA15, N289, N290, N291)

REQUEST A COPY OF THIS AIN BE GIVEN TO ORGANIZATIONS AND PERSONNEL UTILIZING FUZE M732A2 PROX, FUZES M762/M762A1 ET AND FUZES M767/M767A1 ET.

REPLACEMENT OR REPACKING OF THE HUMIDITY INDICATOR CARDS IS NO LONGER REQUIRED WHEN REPACKING M732A2, M762/M762A1 AND M767/M767A1 FUZES.

AMMUNITION LOTS DOWNGRADED FOR HUMIDITY CARD DEFECTS ARE TO BE RETURNED TO APPROPRIATE CONDITION CODES BASED ON INSPECTION RESULTS AND REFERENCE A

AMMO INFO NOTICE 078-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 078-04. REPAL- /LETIZATION OF COMMERCIALY PACKAGED SMALL CALIBER / AMMUNITION (1305-AA33,AA48,AA49)

THIS AIN SUPERSEDES AIN 030-02.

THIS AIN PROVIDES GUIDANCE FOR THE MOVEMENT, STORAGE, AND REPACKAGING OF COMMERCIALY PACKAGED 5.56MM AND 9MM CARTRIDGES AT ASP'S AND USERS LOCATIONS.

- (A) COMMERCIAL PACKS CONSIST OF SMALL ARMS AMMUNITION PACKED IN FIBERBOARD BOXES AND PALLETIZED WITH COMMERCIAL STRETCH WRAP. THE APPLICABLE DODIC'S ARE AA33 (M855 5.56MM 10 RD CLIP/1800 ROUNDS PER PACK), AA48 (LEAD FREE "GREEN" VERSION OF THE AA33), AND AA49 (M882, 9MM 50 RD CARTON/500 ROUNDS PER PACK).
- (B) COMMERCIALY PACKAGED SMALL CALIBER AMMUNITION

IS INTENDED FOR CONUS RANGE FIRE (QUALIFICATION) TRAINING ONLY. IT IS NOT DESIGNED OR INTENDED FOR THE RIGORS OF TACTICAL USE OR TRAINING. AA33, AA48 AND AA49 ARE NOT AUTHORIZED FOR OCONUS SHIPMENT OR OCONUS TRAINING UNLESS AUTHORIZED BY MARCORPSYSCOM.

AA33 AND AA48 HAVE BEEN ISSUED FOR TACTICAL TRAINING IN CONUS DUE TO SHORTAGE OF A059. THE FOLLOWING PROVIDES GUIDANCE FOR UNITS THAT MUST USE AA33 OR AA48 FOR RANGE QUALIFICATION OR TACTICAL TRAINING WHEN IN SHORT SUPPLY OF A059.

SUBJECT PACK IS SUSCEPTIBLE TO DAMAGE IF EXPOSED TO WATER-- PARTICULARLY AFTER OPENING. DO NOT STORE THE FIBERBOARD PACK IN AN UNCOVERED AREA WHERE IT CAN BE EXPOSED TO RAIN OR LEAVE IT IN STANDING WATER. THE PLASTIC SHRINK-WRAP COVERING OF THE OUTER BOX OFFERS A MODERATE LEVEL OF WATER PROTECTION BUT DOES NOT PROTECT AGAINST HIGH LEVELS OR EXTENDED PERIODS OF RAIN. THE INNER BOX DOES NOT HAVE A PLASTIC COVERING AND OFFERS NO PROTECTION AGAINST WATER EXPOSURE. COVER BOXES WITH A TARP AT THE FIRING RANGE IF OVERHEAD SHELTER IS NOT AVAILABLE.

SUBJECT PACKS ARE NOT EASY TO RESEAL AFTER OPENING. DO NOT OPEN BOXES UNNECESSARILY OR PREMATURELY. THIS WILL MINIMIZE AMMUNITION COUNTS REQUIRED FOR RETURNED OPEN BOXES AND PREVENT POSSIBLE RAIN DAMAGE. MCO 8020.10, PARAGRAPH 5.C.(6) STATES: "IN THE FIELD/ON THE FIRING RANGE, AMMUNITION SHALL NOT BE REMOVED FROM ITS PACKING CONTAINERS UNTIL REQUIRED FOR USE. AMMUNITION SHALL BE HANDLED IN SUCH A MANNER AS TO PRECLUDE ASSIGNMENT TO AN UNSERVICEABLE CATEGORY (E.G., LOSS OF LOT NUMBER IDENTIFICATION), SHOULD IT BECOME NECESSARY TO TERMINATE THE EXERCISE AND RETURN THE AMMUNITION TO STORAGE." SEE PARAGRAPH 6 FOR LIGHT BOX INSTRUCTIONS.

THE FOLLOWING PROVIDES GUIDANCE FOR INSPECTION, SHIPMENT AND STORAGE OF SMALL ARMS COMMERCIAL PACKAGES.

- (A) IF AN INSPECTION IS REQUIRED, SELECT SAMPLES TO MINIMIZE ANY REPAIR OR REPLACEMENT OF THE COMMERCIAL STRETCH WRAP.
- (B) DO NOT STACK PALLETS OF COMMERCIALLY PACKED AMMO MORE THAN TWO LAYERS HIGH WHEN RECEIVED IN THE MANUFACTURER'S PALLETIZATION CONFIGURATION. COMMERCIAL FIBERBOARD BOXES ARE DESIGNED FOR CONTROLLED SHORT-TERM ENVIRONMENTS AND NOT NECESSARILY FOR MULTIPLE HANDLING, LONG TERM STORAGE, OR MULTIPLE SHIPMENTS.
- (C) FULL PALLETS MAY BE SHIPPED "AS IS" IF DETERMINED SERVICEABLE BY LOCAL SURVEILLANCE PERSONNEL. THERE IS A TENDENCY FOR THE FIBERBOARD BOXES TO SLIDE AROUND ON THE PALLET BETWEEN LAYERS. TAKE THIS INTO ACCOUNT DURING BLOCKING AND BRACING OPERATIONS.
- (D) REPALLETIZATION INSTRUCTIONS:
 - (1) LIGHT PALLET SHIPMENTS OF THREE LAYERS OR MORE:
 - (A) PLACE EDGE PROTECTORS ON THE TOP OUTSIDE FOUR EDGES, AND COVER ALL FOUR SIDES WITH FIBERBOARD SHEETS.

APPLY TWO EVENLY SPACED LOAD BANDS ON ADJACENT SIDES FOR A TOTAL OF FOUR STRAPS. THE FIBERBOARD SHEETS ARE NECESSARY TO PREVENT BOXES FROM SLIDING OUT OF THE UNIT LOAD DURING HANDLING AND TRANSPORTATION. (AN ALTERNATIVE METHOD IS TO USE EDGE PROTECTORS, STRETCH WRAP THE PALLET LAYERS IN LIEU OF THE FIBERBOARD SHEETS, AND THEN APPLY STRAPS.) (B) WHEN STRETCH-WRAPPING EQUIPMENT IS AVAILABLE, STRETCH WRAP OVER TWO LAYERS TO PROPERLY TENSION THE PLASTIC. START THE FIRST WRAP ON THE BOTTOM LAYER APPROXIMATELY ONE INCH BELOW THE TOP DECK BOARD OF THE PALLET AND EXTEND THE FINAL WRAP AT LEAST ONE INCH ABOVE THE TOP LAYER OF BOXES. PLACE A MINIMUM OF EIGHT WRAPS AROUND THE BOTTOM AND SPIRAL TO THE TOP (AS NECESSARY), WITH ANOTHER SIX WRAPS AROUND THE TOP LAYER.

(2) LIGHT PALLET SHIPMENTS OF TWO LAYERS OR LESS: STRETCH WRAPPING BY HAND MAY BE USED WITH A MINIMUM OF SIX WRAPS AROUND THE BOTTOM AND FOUR WRAPS AROUND THE TOP AS NECESSARY. SEE PARAGRAPH 5.D.(1)(B) ABOVE FOR START AND STOP LOCATIONS.

(3) MAINTAIN FULL LAYERS WITH EITHER OF THE ABOVE METHODS TO ENSURE A STABLE LOAD. USE FILLER ASSEMBLIES AS NECESSARY TO FILL OUT A LAYER.

FOLLOW LOCAL ASP PROCEDURE FOR SECURING A LIGHT BOX. PROPERLY LOAD THE PALLET, AND USE STRETCH-WRAPPING AND/OR BANDING WITH EDGE PROTECTORS TO ASSURE A SOLID UNIT LOAD FOR SHIPMENT AND HANDLING. UTILIZE ADEQUATE BLOCKING AND BRACING DURING TRANSPORTATION TO RESTRICT MOVEMENT OF THE UNIT. THE SMALLER SIZE BOXES (SUCH AS THOSE USED FOR 9MM) ARE DIFFICULT TO HOLD ON THE PALLET WITHOUT PROPER SUPPORT. SHORT PALLETS OF 9MM MAY REQUIRE ADDITIONAL STRETCH WRAP PLUS BANDING TO KEEP THE CONTAINERS ON THE PALLET DURING TRANSPORTATION AND HANDLING.

AMMO INFO NOTICE 079-2004: SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 079-04. STENCILING /INCORRECT LOT NUMBER ON PACKAGING. /1325-00-883-9021 AND 1325-01-471-1801 (1325-GW03)

REPORTS HAVE BEEN RECEIVED FROM USING ACTIVITIES THAT LOT NUMBERS STENCILED ON EXTERNAL PACKAGING DIFFER FROM LOT NUMBERS ON INTERNAL PACKAGING AND BOTH ARE DIFFERENT FROM THE LOT NUMBER LOCATED ON THE ACTUAL COMPONENT. TO ELIMINATE THE POSSIBILITY OF DOWNGRADED COMPONENTS INADVERTENTLY BEING INSTALLED IN WEAPONS, IT IS REQUESTED THAT THE FOLLOWING ACTION BE TAKEN: ENSURE THAT THE ACTUAL MK 122 SWITCHES BEING INSTALLED IN A WEAPON ARE CHECKED AGAINST THE NAR TO AVOID

USING COMPONENTS WHICH HAVE BEEN RECLASSIFIED.

AMMO INFO NOTICE 080-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 080-04. .50
CALIBER
/MACHINE GUN SERVICE AMMUNITION (1305-AA06)
THIS AIN SUPERSEDES NOC IMSD AIN 012-98 (131835ZMAY98).
THIS AIN APPLIES TO BLUE WATER AND SOF ASSETS ONLY.
NALC AA06, CARTRIDGE, CALIBER .50 LINKED 1 MK211 API,
1 M2 AP, 1 MK211 API, 1 M2 AP, 1 M20 API-T IS IN PROCESS
OF BEING REPLACED WITH UPDATED VERSION OF AA06 CONFIGURATION
NSN 1305-01-473-4774.

THE M2 AP ROUND IS BEING REPLACED WITH A NAVY DEVELOPED
AND FIELDDED MK 263 MOD 0 AP .50 CAL CARTRIDGE. THE LINKED
CONFIGURATION IS NALC AA06, CARTRIDGE, CALIBER .50 LINKED 1
MK211 API, 1 MK263 AP, 1 MK211 API, 1 MK263 AP, 1 M20 API-T.
BOTH CONFIGURATIONS OF AA06 ARE INTERCHANGEABLE. THIS
CHANGE IN PRIMARY NALC WILL BE REFLECTED IN THE NEXT
UPDATE OF TW010-AA-ORD-030.

AMMO INFO NOTICE 081-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 081-04. NALC
/5000 CONDITION CODE NOVEMBER IAW NAR 0732-03, 0020-04, 0352-04,
/0583-04, 0815-04 (1410-5000)
THIS AIN SUPERSEDES NALC AIN 037-03. (021945ZJUL03).
THIS AIN PROVIDES AMPLIFICATION TO FOLLOWING DOCUMENTATION:
(A) NAR 0732-03 DTG 021940Z JUL 03, 0020-04
DTG 081930Z OCT 03, 0227-04 DTG 021935Z DEC 03,
0352-04 DTG 241930Z FEB 04, 0583-04 DTG 051930Z
MAY 04, 0815-04 DTG 201930Z AUG 04 RECLASSIFYING
ROLLING AIRFRAME MISSILE GUIDED MISSILE ROUND
PACKS TO COND CODE NOVEMBER
(B) DOC RAM MRCS R-8, R-11 AND R-14 MAINTENANCE
REQUIREMENT CARD PROCEDURES FOR RAM MK 31 GUIDED
MISSILE WEAPON SYSTEM UPLOAD, DOWNLOAD AND GMRP
INSPECTION TO BE PERFORMED DURING LAUNCHER
UPLOAD AND DOWNLOAD
(C) DOC SW810-BO-MM0-010/RAM MSL RAM GMRP
DESCRIPTION AND HANDLING TECH MANUAL
(D) DOC NAVSUP PUB P-805 THE CONVENTIONAL
AMMUNITION RECEIPT, SEGREGATION AND SENTENCING MANUAL.

THIS AIN SHOULD BE PASSED TO ALL PERSONNEL
RESPONSIBLE FOR OPERATING RAM GMLS OR HANDLING
RAM GMRPS PARTICULARLY SHIPBOARD WEAPONS OFFICERS,
COMBAT SYSTEM OFFICERS, AND RAM TECHNICIANS.

NALC 5000 RAM GMRPS RECLASSIFIED TO COND
CODE N IAW REF A HAVE RECERTIFICATION DUE DATES
THAT HAVE EXPIRED, THEREFORE HAVE UNKNOWN
PERFORMANCE RELIABILITY. GMRP TESTING TO DATE
HAS CONCLUDED THERE IS NO IMPACT TO MISSILE
SAFE STORAGE, HANDLING, OR SHIPMENT, BUT HAS
NOT BEEN SUFFICIENT TO ASSURE PERFORMANCE
RELIABILITY BEYOND THE CURRENT TEN YEAR
SERVICE LIFE. AS INDICATED IN REF A, COND CODE
N ITEMS MAY BE ISSUED TO USERS ONLY WHEN
SERVICABLE STOCKS (CODE A, B, AND C) ARE
NOT AVAILABLE IN SUFFICIENT QUANTITIES AND
MAY BE USED IN COMBAT ONLY AFTER THE AFFECTED
OPERATING UNIT HAS NO REMAINING SERVICABLE
STOCKS AVAILABLE FOR USE. THEREFORE,
NALC 5000 COND CODE N GMRPS MAY BE ISSUED
AND SHALL BE FIRED LAST.

THE RAM MK 49 MOD 0/1/3 GUIDED MISSILE LAUNCHING SYSTEM SOFTWARE PRIORITIZES THE FIRING ORDER BASED ON GMRP NALC (GMRP ID TYPE), CURRENT LOCATION OF THE CELL POINTER, AND IMBALANCE OF THE GUIDED MISSILE LAUNCHER. THE SOFTWARE DOES NOT RECOGNIZE GMRP COND CODE WHEN DETERMINING THE FIRING ORDER. BASED ON SOFTWARE FAVORING NALCS, THE FIRING ORDER MUST BE CONTROLLED BY LOAD OUT TO ENSURE NALC 5000 COND CODE N GMRPS ARE FIRED LAST.

RAM MK 49 MOD 0/1/3 GMLS SOFTWARE WILL SELECT NALC 5010 OVER NALC 5000 GMRPS REGARDLESS OF ACTUAL POSITION OF THE CELL POINTER AND LOAD OUT. ANY RAM MK 49 MOD 0/1/3 GMLS TO BE LOADED WITH NALC 5000 COND CODE N GMRPS MUST ALSO CONTAIN A MINIMUM OF ONE NALC 5010 GMRPS AND LOADED SUCH THAT COND CODE N ARE FIRED LAST. ALSO, A RAM GMLS SHALL NOT CONTAIN GREATER THAN NINE COND CODE N GMRPS AT ANY TIME. RAM TECH BULLETIN 6.1-09, FACSIMILE MRCS R-8, R-11, AND R-14 ARE TO BE ISSUED NLT 22 OCT 04 FOR LOAD OUT PROCEDURES (INCLUDES PROCEDURES FOR NALCS 5000, 5010, 5014, AND 5030). CONTACT RAM GMLS ISEA POC IN PARA 11 FOR FURTHER GUIDANCE IF A LOAD OUT IS PLANNED PRIOR TO 22 OCT 04.

TO ENSURE BEST TACTICAL LOAD OUT, DUAL RAM SYSTEM SHIPS SHOULD EQUALLY DISTRIBUTE, WITH RESPECT TO NALC AND COND CODE, GMRPS BETWEEN EACH RAM GMLS DURING AMMO ONLOAD OR GMLS UPLOAD. THE DISTRIBUTION MAY BE TO THE MK 749 CONTAINER LEVEL TO AVOID MOVEMENT OF MK 749 CONTAINERS BETWEEN RAM GMLS, AS NOT ALL RAM SHIPS HAVE MISSILE HANDLING PATHS BETWEEN RAM GMLS.

SHIPS WITH LAUNCHERS LOADED PRIOR TO THIS AIN ARE NOT REQUIRED TO ADJUST GMLS LOAD OUT.

GMRPS SHOULD BE PACKED WITH OTHER GMRPS OF SAME NALC AND SIMILAR RECERT DUE DATE DURING LAUNCHER DOWNLOAD TO FACILITATE GMRP LOGISTIC MANAGEMENT. GMRPS IN COND CODE N MUST BE PACKED SEPARATELY FROM GMRPS IN OTHER COND CODES AS INDICATED IN PARA 3 REF D.

MISSILE ROUND PACKS IN COND CODE N REMAIN SUBJECT TO MISSILE INSPECTION AND SENTENCING REQUIREMENTS IAW REFS B THRU D LISTED IN PARA 3 ABOVE EXCEPT RECERTIFICATION DUE DATE CRITERIA. THOSE FOUND TO HAVE DEFECTS OTHER THAN EXPIRED RECERTIFICATION DUE DATES ARE TO BE RECLASSIFIED FROM COND CODE N TO THE APPROPRIATE UNSERVICEABLE COND CODE AND REPACKED AS NECESSARY.

AMMO INFO NOTICE 082-2004:

RAM GMLS ISEA POC FOR FURTHER LOAD OUT
AMPLIFICATION ARE:
ED NAKAGAWA/CODE S51/LOC: NSWC PHD/EMAIL:
EDWARD.NAKAGAWA@NAVY.MIL <MAILTO:EDWARD.NAKAGAWA@NAVY.MIL>
TEL: (805) 228-6513/DSN: 296-6513
TED EDWARDS/CODE S51/LOC: NSWC PHD/EMAIL:
THEODORE.EDWARDS@NAVY.MIL
<MAILTO:THEODORE.EDWARDS@NAVY.MIL>
TEL: (805) 228-8519/DSN: 296-8519
TOM ANDERSON/CODE S52/LOC: NSWC PHD/EMAIL:
THOMAS.ANDERSON@NAVY.MIL/TEL: (805) 228-0588/DSN: 296-0588
SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 082-04. MK 39 MOD
0
/EXPENDABLE MOBILE ASW TRAINING TARGET (EMATT)
/SHELF LIFE EXTENSION (6920-LW17)
NSWC CARDESROCK DIVISION, BATTERY TECHNOLOGY
GROUP COD 644, WAS ASSIGNED BY PMS 403, MK 39
EMATT PROJECT MANAGER, TO INVESTIGATE THE
POTENTIAL OF EXTENDING THE SEVEN (7) YEAR LIFE
OF THE MK 39 EMATT TO TEN (10) YEAR SHELF LIFE.
TESTING: SIX EMATT LI-S02 BATTERIES WERE TESTED
AT A CONSTANT CURRENT EQUAL TO 80 PERCENT OF
THE FUSE VALUE IN ACCORDANCE WITH NAVSEA
NOTICE 9310. THREE BATTERIES WERE TESTED AT
ROOM TEMPERATURE, AND THREE AT MINUS 20 DEGREES C.
NO CELL OF ANY BATTERY VENTED. ALL TESTS WERE
TERMINATED WHEN THE THERMAL FUSE BLEW.

TEST RESULTS:

- (A) THE BATTERIES THERMAL FUSES OPERATED
BEFORE ANY CELL VENTED FOR BOTH THE ROOM
TEMPERATURE TESTS AND FOR TESTS AT MINUS
20 DEGREES C.
- (B) NO CELL VENTED DURING ANY TEST.
- (C) NO LEAKAGE OF ELECTROLYTE OR CORROSION
OF CELL CASE WAS OBSERVED.

CONCLUSION: THE MK 39 MOD 0 EMATT BATTERIES ARE
CAPABLE OF SAFE BEHAVIOR UP TO 10 YEARS
AFTER ACCEPTANCE BY THE NAVY. BY AUTHORITY
OF THIS MESSAGE ALL EXISTING MK 39 MOD 0 EMATTS
PRESENTLY IN STOCK ARE HEREBY APPROVED FOR
SERVICE EXTENSION TO TEN (10) YEARS.

AMMO INFO NOTICE 083-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 083-04. CHARGE,
DIVERSIONARY, MK 141 MOD 0 POTENTIAL FOR INADVERTANT LEVER
RELEASE (1375-DWBS)

THIS AIN APPLIES TO U.S. MARINE CORPS STOCKS ONLY.
A COPY OF THIS AIN WILL BE DISTRIBUTED WITH EACH ISSUE
OF DODIC DWBS (CHARGE, DIVERSIONARY, MK 141 MOD 0).
AS A RESULT OF REPORTED DAMAGED FUZE LUGS
(CRACKS AND MISSING MATERIAL) ON DWBS CHARGES,
AND A SUBSEQUENT SAFETY ANALYSIS, THE FOLLOWING
INFORMATION IS PROVIDED TO MARINE CORPS USERS
OF SUBJECT ITEM.

A PRE-SERVICE INSPECTION OF DIVERSIONARY CHARGES
SHOULD ALWAYS BE PERFORMED AS DESCRIBED IN PARAGRAPH
9-6.1.5 OF SW010-AD-GTP-010. WITH THE DWBS STILL INSIDE
THE ORIGINAL PLASTIC SLEEVE, THE USER SHOULD CUT
THE ELECTROSTATIC SHIELD (BARRIER BAG) ENOUGH TO SEE
THE TOP OF THE FUZE. THE USER SHOULD THOROUGHLY
INSPECT THE TOP OF THE DWBS FUZE FOR CRACKS OR

BROKEN FUZE LUGS, AND MISSING OR IMPROPERLY INSTALLED SAFETY PINS. CRACKS OR BROKEN FUZE LUGS OCCURRING ON BOTH SIDES OF THE FUZE AND MISSING OR IMPROPERLY INSTALLED SAFETY PINS ARE CRITICAL DEFECTS. DWBS CHARGES WITH THESE TYPES OF DEFECTS SHOULD NOT BE HANDLED SINCE THEY CAN RESULT IN SERIOUS INJURIES.

DWBS CHARGES THAT ARE VISUALLY INSPECTED AND FOUND TO HAVE ANY OF THE DEFECTS DESCRIBED ABOVE SHOULD BE PHOTOGRAPHED IF POSSIBLE AND THE DEFECTS ACCURATELY DESCRIBED IN REPORTS VIA AMMUNITION DEFECT REPORT IN ACCORDANCE WITH LATEST REVISION OF MCO 8025.1. DEFECTIVE DWBS CHARGES SHOULD NOT BE EXTRACTED FROM THE ORIGINAL PLASTIC SLEEVE SINCE THE SLEEVE ACTS AS A BACKUP TO THE SAFETY PIN ASSEMBLY.

DEFECTIVE GRENADES THAT ARE SAFE TO STORE SHOULD BE RETAINED UNTIL THE CODR/EMR/DEFECT REPORT IS RESOLVED. IF UNSAFE TO STORE, THE GRENADES SHOULD BE DISPOSED OF IN ACCORDANCE WITH LOCAL PROCEDURE.

SCHEDULED MAINTENANCE/REWORK TO RELIEVE STRESS AT THE FUZE LUG WILL BE ACCOMPLISHED AS SOON AS POSSIBLE. THE REWORK WILL GENERATE PSI AMMUNITION LOT NUMBERS THAT HAVE BEEN SUFFIXED AND AMMUNITION DATA CARDS ANNOTATED THAT THE REWORK HAS BEEN COMPLETED. THIS ACTION WILL PROVIDE ASSETS TO MEET ALL OPERATIONAL REQUIREMENTS (TRAINING, COMBAT, ETC). REWORKED ASSETS, HOWEVER, WILL REQUIRE 100 PERCENT INSPECTION PRIOR TO USE.

AMMO INFO NOTICE 084-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 084-04. CHARGE, /DIVERSIONARY, MK 141 MOD 0 POTENTIAL FOR /INADVERTANT LEVER RELEASE (1375-DWBS)

THIS AIN APPLIES TO U.S. NAVY STOCKS ONLY.

A COPY OF THIS AIN WILL BE DISTRIBUTED WITH EACH ISSUE OF DODIC DWBS (CHARGE, DIVERSIONARY, MK 141 MOD 0). AS A RESULT OF A REPORT OF DAMAGED FUZE LUGS (CRACKS AND MISSING MATERIAL) ON DWBS CHARGES, AND A SUBSEQUENT SAFETY ANALYSIS, THE FOLLOWING INFORMATION IS PROVIDED TO USERS OF SUBJECT ITEM.

A PRE-SERVICE INSPECTION OF DIVERSIONARY CHARGES SHOULD ALWAYS BE PERFORMED AS DESCRIBED IN PARAGRAPH 9-6.1.5 OF SW010-AD-GTP-010. WITH THE DWBS STILL INSIDE THE ORIGINAL PLASTIC SLEEVE THE USER SHOULD CUT THE ELECTROSTATIC SHIELD (BARRIER BAG) ENOUGH TO SEE THE TOP OF THE FUZE OF THE DWBS. THE USER SHOULD THOROUGHLY INSPECT THE TOP OF THE DWBS FUZE FOR CRACKS OR BROKEN FUZE LUGS, AND MISSING OR IMPROPERLY INSTALLED SAFETY PINS. CRACKS OR BROKEN FUZE LUGS OCCURRING ON BOTH SIDES OF THE FUZE AND MISSING OR IMPROPERLY INSTALLED SAFETY PINS ARE CRITICAL DEFECTS. DWBS CHARGES WITH THESE TYPE OF DEFECTS SHOULD NOT BE HANDLED SINCE THEY CAN RESULT IN SERIOUS INJURIES.

DWBS CHARGES THAT ARE VISUALLY INSPECTED AND FOUND TO HAVE DEFECTS SHOULD BE PHOTOGRAPHED IF POSSIBLE AND THE DEFECTS ACCURATELY DESCRIBED IN REPORTS VIA CODR/EMR IN ACCORDANCE WITH THE LATEST REVISION OF OPNAVINST 5102.1. DEFECTIVE DWBS CHARGES SHOULD NOT BE EXTRACTED FROM THE ORIGINAL PLASTIC SLEEVE SINCE THE SLEEVE ACTS AS A BACKUP TO THE SAFETY PIN ASSEMBLY. DEFECTIVE GRENADES THAT ARE SAFE TO STORE SHOULD BE RETAINED UNTIL THE CODR/EMR/DEFECT REPORT IS RESOLVED. IF UNSAFE TO STORE, THE GRENADES SHOULD BE DISPOSED OF IN

ACCORDANCE WITH LOCAL PROCEDURE.

AMMO INFO NOTICE 085-2004:

SUBJ: NAVY AND MARINE CORPS AMMO INFO NOTICE 085-04. CHARGE, /DIVERSIONARY, MK 141 MOD 0 POTENTIAL FOR INADVERTANT LEVER /RELEASE (1375-DWBS)

THIS AIN SUPERSEDES NALC AIN 083-04 (281935ZSEP04).

THIS AIN APPLIES TO U.S.MARINE CORPS STOCKS ONLY.

A COPY OF THIS AIN WILL BE DISTRIBUTED WITH EACH ISSUE OF DODIC DWBS (CHARGE, DIVERSIONARY, MK 141 MOD 0).

AS A RESULT OF REPORTED DAMAGED FUZE LUGS (CRACKS AND MISSING MATERIAL) ON DWBS CHARGES, AND A SUBSEQUENT SAFETY ANALYSIS, THE FOLLOWING INFORMATION IS PROVIDED TO MARINE CORPS USERS OF SUBJECT ITEM.

A PRIOR TO USE INSPECTION OF DIVERSIONARY CHARGES SHOULD ALWAYS BE PERFORMED AS DESCRIBED IN PARAGRAPH 9-6.1.5 OF SW010-AD-GTP-010. WITH THE DWBS STILL INSIDE THE ORIGINAL PLASTIC SLEEVE, THE USER SHOULD CUT THE ELECTROSTATIC SHIELD (BARRIER BAG) ENOUGH TO SEE THE TOP OF THE FUZE. THE USER SHOULD THOROUGHLY INSPECT THE TOP OF THE DWBS FUZE FOR CRACKS OR BROKEN FUZE LUGS, AND MISSING OR IMPROPERLY INSTALLED SAFETY PINS. CRACKS OR BROKEN FUZE LUGS OCCURRING ON EITHER SIDES OF THE FUZE AND MISSING OR IMPROPERLY INSTALLED SAFETY PINS ARE CRITICAL DEFECTS. DWBS CHARGES WITH THESE TYPES OF DEFECTS SHOULD NOT BE HANDLED SINCE THEY CAN RESULT IN SERIOUS INJURIES, MUST BE TURNED OVER TO EOD FOR DESTRUCTION.

DWBS CHARGES THAT ARE VISUALLY INSPECTED AND FOUND TO HAVE ANY OF THE DEFECTS DESCRIBED ABOVE SHOULD BE PHOTOGRAPHED IF POSSIBLE AND THE DEFECTS ACCURATELY DESCRIBED IN REPORTS VIA AMMUNITION DEFECT REPORT IN ACCORDANCE WITH LATEST REVISION OF MCO 8025.1. DEFECTIVE DWBS CHARGES SHOULD NOT BE EXTRACTED FROM THE ORIGINAL PLASTIC SLEEVE SINCE THE SLEEVE ACTS AS A BACKUP TO THE SAFETY PIN ASSEMBLY.

MAINTENANCE/REWORK TO RELIEVE STRESS AT THE FUZE LUG WILL BE ACCOMPLISHED AS SOON AS POSSIBLE. THE REWORK WILL GENERATE PSI (DWBS MANUFACTURER) AMMUNITION LOT NUMBERS THAT HAVE BEEN SUFFIXED AND AMMUNITION DATA CARDS ANNOTATED THAT THE REWORK HAS BEEN COMPLETED. THIS ACTION WILL PROVIDE ASSETS TO MEET ALL OPERATIONAL REQUIREMENTS (TRAINING, COMBAT, ETC). REWORKED ASSETS, HOWEVER, WILL REQUIRE 100 PERCENT INSPECTION PRIOR TO USE. PM AMMO WILL PROVIDE MONTHLY UPDATES ON THE STATUS OF THIS REWORK VIA NAVAL MESSAGE.